RUGGED MOBILE Systems are one of the UK’s most experienced providers of rugged computing hardware solutions. We consult closely with our clients, provide demonstration devices for trial, advise on the right device for their task and we support with installations and design work where required.

We develop strong relationships with partners needing to integrate robust hardware into their field or vehicle based systems, including cameras for a range of uses including ANPR solutions. We provide consultation and design capability to such clients and are here to help your company today. We are an ISO 9001: 2015 quality management system approved company.

Computing solutions for Explosive Atmospheres

RUGGED MOBILE Systems offer a broad range of ATEX approved rugged PDAs, Smartphones and Tablet PCs to meet requirements of oil, gas, pharmaceutical, chemical, food industry and any sites where explosive atmospheres are present.

Whether you are working in ATEX Zone 0/20, Zone 1/21 or Zone 2/22 explosive atmospheres we can supply approved intrinsically safe equipment from a range of rugged hardware manufacturers. For all our ATEX approved devices please see Pages 16 & 17, of our product catalogue.

www.ruggedmobilesystems.co.uk | Tough Technology for Tough Environments
2018 to 2019: What’s New in Rugged Mobile Hardware?

Our manufacturers are continually striving to provide the most up to date hardware possible and frequently release improved and new devices. Here’s an update on some recent new launches and developments:

**Xplore Technologies**
- Zebra have purchased Xplore Technologies in 2018, strengthening Zebra’s tablet offering – exciting times ahead!
- Launch of a new 10” platform, the Xplore L10 family, which includes the XPAD (tablet with hard handle), XSLATE (Slate tablet) and XBOOK (XSLATE with detachable keyboard);
- Launch of Xplore M60 6” fully rugged handheld computer which provides a compact yet powerful device with GPS pass-through

**Panasonic**
- Release of new Panasonic FZ-T1 rugged IP68 rated 5” Android Smartphone and new Panasonic FZ-L1 rugged 7” Android tablet
- Announcement of third iteration of the Panasonic FZ-M1 tablet, the Panasonic FZ-M1 Mk3, with i5 processor, 7” display, running Windows 10, with IP65 rating is shipping late 2018.
- FZ-M1 now has option for Thermal Imaging camera using FLIR Lepton technology, providing thermal resolution of 0.05°C, allowing users to accurately capture temperatures whilst using the same device to run the applications required to carry out their business.
- Point of Sale (POS) Cradle and mobile POS solution now available for the Panasonic FZ-G1 Mk4 tablet – allowing users to either use a Windows 10 fully rugged 10” tablet on the shop floor or out in the field for payment collection.
- ATEX Zone 2 approval now available on the Panasonic FZ-G1 Mk4 ATEX 10” tablet, ideal for the oil, gas, pharmaceutical and other industries working in potentially explosive environments.

**Getac**
- Getac’s first 14” Windows 10 fully rugged tablet, the Getac A140 continues to be of great interest to automotive and manufacturing teams.
- Getac released the world’s first ATEX Zone 0/20 approved 8” fully rugged Windows 10 tablet, the Getac EX80. This allows users to be gathering data in the most challenging explosive atmospheres.

**Handheld**
- Launch of the Nautiz X9 fully rugged IP67, Android 7.0 Smartphone with 5” display and optional barcode reader and pistol grip.
- Handheld’s Nautiz X2 now comes with optional LF RFID, pistol grip and option for UHF RFID reader and barcode reader

**JLT Mobile**
- JLT launched the JLT6012, with 12” display (up to 1000NITS brightness), IP65 rating and -30°C to 55°C operating temperature range. Running either Windows, Android or Linux, this next generation vehicle-mount computer is designed to improve productivity and profitability in demanding logistics environments.

**M3 Mobile**
- M3 Mobile release M3 SM15 a powerful 5” rugged Smartphone ready for Android 8.0, with option for a broad range of accessories including HDMI cradle and UHF gun.
Nexcom broadens range of rugged in-vehicle systems... even further...

Our partner Nexcom Inc, already the global leader in vehicle based computing solutions, has broadened its range even further – and now encompasses over 40 separate mobile computing platforms. The range provides comprehensive cover across a wide range of usage including Passenger Transportation (Bus and Rail), Logistics, Construction, Agriculture, Emergency Services, Autonomous Vehicle and Smart City applications, and many more.

New Editions
The recent new additions provide further options at both ends of the range. At the lower end this includes the new VTC 1011, VTC 1910, VTC 1911, VTC 1020, nROK 1020, and VTC 1021 offerings, based on the latest Intel Atom family processors, and retain the configuration flexibility we’ve come to expect from Nexcom – including PoE video input options, CANbus, multiple comms, and ability to add specialist modules. These are ideal, compact, in-vehicle systems for data capture and control, integration hubs, mobile communications hubs and access points etc. The nROK 1020-A is EN50155 Rail certified and a useful entry level system for on-train use.

MVS Range
At the more demanding application end of the spectrum, Nexcom have introduced a new range of powerful modular vehicle computing solutions. The MVS series provides scalable performance based upon the Intel Core, i5 and i7 processors, RAID drives, extensive interfacing capability, including models with up to 8 channels of Power over Ethernet (PoE), multiple comms module support with up to 4 SIMS.

The MVS range is also designed to readily support customer or product specific customisations – and this is offered as a service through RUGGED MOBILE Systems and Nexcom, at even quite modest MoQ’s.

Nexcom has also released the new ATC 8010, a powerful and reliable mobile Artificial Intelligent (AI) platform, specially designed for applications such as Autonomous Vehicles, Automatic Number Plate Recognition (ANPR), Automatic Facial Recognition (AFR) and solutions needing highly-demanding graphic performance. Based on Intel® 8th generation Coffee Lake processor, the ATC 8010 operates in conjunction with NVIDIA 1050Ti, or 1080, modules to guarantee the graphic performance needed to satisfy most AI requirements.

The ATC810 also offers:
• 8-Port 802.3af/at PoE and offers wide bandwidth and precise control to the analysis of big video data;
• Supports Nexcom’s ultraONE+ technology providing for single cable transmission of video, USB, audio and power to an in-vehicle display up to 10 metres distance;
• 5 x HDMI and 1 x VGA allowing users to monitor live video without any delay or blind spot;
• RAID 0, 1, 5, 10 storage guarantees the security of video data in 2 x externally accessible SSD, and 2 x internal mSATA drives.

All the above Nexcom systems are designed specifically for in-vehicle use having: Smart Power Management with ignition sense; MIL-STD tested for truck vibration and shock tested; extended operating temperature ranges and all are e-Marked.

Passenger Information Systems from Nexcom

As technology becomes more involved in transforming cities, passenger information systems have become incorporated into everyday commutes for bus and coach passengers. These systems convey current route information and engaging advertisements to enhance the passenger experience while increasing revenue through marketing alliances. The need for such passenger information systems with minimal installation effort plus remote management capabilities can be achieved with the NEXCOM 21.5” panel PC TPPC 2210T and display TPPD 2200 (see page 5 for details).

With automatic power on when the bus starts, the passenger information system displays useful real-time information such as date, time, route, current station, and upcoming stops to make journeys easier for commuters and tourists. Taking advantage of NEXCOM’s solution placed in different areas of the bus, riders of all ages can enjoy immersive content from diverse topics updated remotely.

Moreover, full HD resolution captivates passengers’ attention with stunning commercial advertising, opening business opportunities for bus carriers and creative agencies.

In addition to richer content for passengers, NEXCOM’s passenger information system eases installation for system integrators with simplified wiring and extended on-board coverage. The fanless panel PCs support daisy chaining over Ethernet, which means that up to eight TPPD 2200 displays can be connected in series to each other and controlled by one TPPC 2210T. The simplicity of this configuration permits system integrators to place cables inside the handlebars to connect one display to the next one avoiding many alterations in the interior of the bus, reducing deployment time, and expanding their business opportunities to target other means of transport such as articulated buses and trams.
All-In-One Forklift Truck / In Vehicle/ Cab PC’s

www.ruggedmobilesystems.co.uk

Nexcom VMC110/VMC111

7” All-In-One Mobile Data Terminal with ARM® Cortex-A9 Platform

• 7” TFT LCD Monitor with resistive touch screen
• VMC110 with I/O to back / VMC111 with I/O to bottom
• ARM® Cortex-A9 Processor with 1GHz frequency
• Compact and fanless design
• On screen F1 ~ F5 function key
• Support Linux and Android 6.0 system
• Optional: Dead Reckoning Support
• Integral UPS for 30 minute battery back-up
• 4 x USB, 1 x RS232 and Giga Ethernet in-dock option
• Window with dual diversity antenna, Bluetooth v4.2, 4G LTE plus GPS
• 12.1” XGA LED 500 or 1000 NIT capacitive touchscreen display
• Quad Core Intel E3845 Processor, 4GB DDR3 RAM, 16GB to 128GB CFAST industrial grade storage
• Windows 10 IoT LTSB or Android 7.0
• Operating temperature -30°C to 55°C, IP66 with optional Roxtec sealing cable protection
• MIL-STD-810G tested for Truck vibration and shock, E-marked
• Power input: 9-60 VDC

Nexcom VMC1100

Compact 7-inch All-in-One Vehicle Computer designed for Truck In-Cab applications

• Intel® Atom™ E3825, 1.33GHz, 1GB RAM and mSATA SSD slot
• 7” WVGA TFT LCD with LED backlight, with anti-glare coating and resistive touch
• Dual CANbus, RS232, USB3.0, RJ-45, GPIO ports, PWM and LAN signal
• Built-in GPS with optional Dead Reckoning support, Bluetooth, WLAN and WWAN comms
• Windows 10 IoT
• Compact and fanless design, e-marked, truck vibration and shock tested, operating temperature -20°C to 60°C
• Power input: 9-36

Nexcom VMC3020/3021

Powerful fully rugged 10.4” All-in-One Vehicle Mount PCs ideal for Fork Lift Trucks and Construction Vehicles

• Intel® Atom™ E3930 up to 8GB RAM, 2.5” SATA SSD and CFAST slots
• 10.4” TFT LCD (1024x768) 1200NITS brightness, resistive touch screen
• RS232, USB, Ethernet, plus CAN Bus and GPIO ports. Wi-Fi, BT, WWAN & optional GPS
• Windows 10 or Linux
• 4A0: Front Panel IP65/ 4A1: all IP65
• Compact and fanless design e-marked, truck vibration and shock tested, operating temperature -30°C to 60°C
• Smart Power Management, Power input: 9-60 VDC

Nexcom VMC4020/4A0/4A1

Powerful fully rugged 12.1” All-in-One Vehicle Mount PC

• Intel® Atom™ E3950 up to 8GB RAM, with 2.5” SATA SSD and CFAST slots
• 12.1” TFT LCD (1024x768) 1200NITS brightness, resistive touch screen
• RS232, USB, Ethernet, plus CAN Bus and GPIO ports. Wi-Fi, BT, WWAN & optional GPS
• Windows 10 or Linux
• 4A0: Front Panel IP65/ 4A1: all IP65
• Compact and fanless design e-marked, truck vibration and shock tested, operating temperature -30°C to 60°C
• Smart Power Management, Power input: 9-60 VDC

JLT VERSO+ 10

Demountable 10” rugged Vehicle terminal for ports, warehousing, mining, agriculture & more

• Choice of Intel® Core™ i5 or Quad Core E3845 Processor’s, 4GB or 8GB RAM to 12GB Industrial grade CFAST SSD
• Projected Capacitive, Multi-Touch 10.4” XGA LED 400 or 800 NIT brightness screen, WLAN 802.11bgn with dual diversity antenna, Bluetooth v4.2, 4G LTE plus GPS in-dock option
• 4 x USB, 1 x RS232 and Giga Ethernet
• Integral UPS for 30 minute battery back-up
• “Quicklock” demountable fixing arrangement for easy removal and re-fitting
• Windows 10, WEBS 7 or Windows 7
• Operating temperature -30°C to 55°C, IP66 with optional Roxtec sealing cable protection
• MIL-STD-810G tested for Truck vibration and shock, E-marked
• Power input: 9-36 VDC & UPS internal battery

JLT VERSO 12 &15

The latest generation high performance computers specifically developed for extreme environments

• Quad Core Intel E3845 Processor, or Intel Core i5-4300U Processor, with 4GB or 8GB DDR3 RAM, 64GB or 128GB CFAST Industrial grade storage
• 12.1” and 15” XGA LED 600/800/1000 NIT display options with resistive touch screen
• WLAN 802.11bgn with dual diversity antenna, Bluetooth v2.0 + EDR class 1, WWAN 3G/4G
• 4 x USB, 1 x RS232 and Giga Ethernet
• Integral UPS for 30 minute battery back-up
• Windows 10, WEBS 7 or Windows 7
• Operating temperature -30°C to 55°C, IP66 with optional Roxtec sealing cable protection
• Tested for Truck vibration and shock, E-marked
• Power input: 9-36 VDC

JLT 1214P & 1214N

Cost effective 12.1” All-in-One logistics computer from JLT

• Quad Core Intel E3845 Processor, 4GB DDR3 RAM, 16GB to 128GB CFAST industrial grade storage
• 12.1” XGA LED 500NIT display (JLT12P1: front panel IP65/ 4A0: all IP65)
• WLAN with dual diversity antenna, Bluetooth v4.2 + BLE, RFID for login
• Windows 10 IoT LTSB or Android 7.0
• Operating temperature -30°C to 55°C, IP65
• Tested for Truck vibration and shock, E-marked
• Power input: 18-60 VDC isolated, or 9-36 VDC Non-isolated

JLT6012

12” Next generation rugged vehicle mount computer from JLT

• Quad Core Intel E3845 Processor, 4GB DDR3 RAM, 32GB to 128GB M.2 storage
• 12.1” XGA LED 500 or 1000NIT capacitive touchscreen display
• WLAN with dual diversity antenna, Bluetooth v4.2 + BLE, RFID for login
• Windows 10 IoT LTSB or Android 7.0
• Operating temperature -30°C to 55°C, IP65
• Tested for Truck vibration and shock, E-marked
• Power input: 9-72 VDC isolated & UPS battery for graceful shutdown at unexpected power outages
Nexcom TTPC2210 PC & TPPD2200 Display

All-in-one 21.1” Panel PC and up to 8 off Daisy Chained displays on Video over Ethernet

- TTPC 2210 with fanless Intel® Celeron® N2807, 4GB RAM, SATA 2.5” and mSATA storage
- Video over Ethernet Extender (HDBaseT) for driving up to 8 off TPPD 2200 Displays on Cat5e/Cat6 cable
- 21.5” 16:9 LCD with resolutions to 1920 x 1080 (Full HD) with Contrast Ratio: 3000, Brightness:500NIT
- Front bezel compliant with IP54, Tempered glass
- Supports Wi-Fi, GPS, and 3G module
- Windows 10 or Linux
- Wide range DC input from 12~36V
- Mounting: support VESA75/100/200mm

In Vehicle / In Cab Displays

Nexcom VMD1001/ VMD2002 in Vehicle monitor

- 7” VGA (800x480) and 8” SVGA (800x600) TFT LCD monitors, with sunlight-readable touch screens
- 4-wire resistive touch with antiglare coating
- Operating temperature -20°C to 70°C
- VMD2002: USB, VGA interface & integrated power cable plus optional 2MP front camera
- MIL-STD-810G Truck Vibration and Shock tested
- Power input: 9 ~ 36VDC

Nexcom VMD2003 in Vehicle Mount Display

- 8” SVGA Vehicle Mount Touch Display with Analog Camera support and ultraONE+ Technology

- 10.4” TFT LCD (1024x768) panel, brightness control, 1200 NIT brightness
- Multiple touch capacitive touchscreen, high performance loud speaker, on screen display buttons
- VGA interface
- Operating temperature -30°C to 70°C
- IP65 sealed, MIL-STD-810G Truck Vibration and Shock tested
- Power input: 9~36VDC

ultraONE+ technology

ultraONE+ technology is available on Nexcom VMD2003 and VMD3110 displays and allows transmission of video and audio content up to 10 meters. ultraONE+ has a unique design allowing connection to four analog cameras and guarantees drivers can view video content within 1 second, making an ideal solution for on-board safety cameras.

ultraONE+ also means there is only one cable between display and the Nexcom telematics computer, saving on implementation cost and increasing the reliability.

ultraONE+ cabling also provides a great solution to solve cabling issues when installing into vehicles with limited space.
In Vehicle, In Cab & Fixed Mount Systems

www.ruggedmobilesystems.co.uk

**Nexcom VTC1011-C2K & VTC1011-C2VK**

Intel Atom™ E3825 Processor Fanless In-Vehicle Computer

- Intel® Atom™ processor E3825 (Bay Trail) 1.33GHz, up to 8GB RAM and mSATA storage
- 1 x miniPCIe expansion slot, 1 x USB 2.0
- 2 x PoE Support (30W total)
- Dual WWAN/GSM modules support + dual SIM cards, WLAN and Bluetooth options with external antenna
- Integral GPS with WWAN, WLAN and Bluetooth options with external antenna
- CAN 2.0B, Optional OBDDII function (SAE J1939/J1708)
- Windows 10, Win 8, Win 7, WES7 or Linux
- SMA bus interface
- For Nexcom VTC flexx series
- Operating temperature 0°C to 55°C, CE Approval
- 9~36VDC power input with Ignition on/x delay controls

**Nexcom VTC1910-S**

Intel Atom™ E3815 Telematics IoT Gateway Super Slim and Ruggedised Design

- Intel® Atom™ E3815 1.4GHz, up to 8GB RAM, SATA 2.0 mSATA storage, plus 2.5" SSD drive or SATA DOM
- 1 x miniPCIe expansion slot, 2 x USB 2.0, VGA
- Dual WWAN module support + dual SIM cards, WLAN and Bluetooth options with external antenna
- CAN 2.0B, Optional OBDDII function (SAE J1939/J1708)
- Windows 10 plus Win 8, 7, WE7 or Linux
- MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -40°C to 70°C
- Smart power management with 9-36VDC power input and Ignition on/off delay controls

**Nexcom VTC1911-IPK**

Intel Atom™ E3815 Telematics IoT Gateway IP67 Water and Dust Resistant

- Intel® Atom™ E3815 1.4GHz, up to 8GB RAM, SATA 2.0 mSATA storage, plus 2.5" SSD drive or SATA DOM
- 1 x miniPCIe expansion slot, 2 x USB 2.0, VGA with optional HDMI
- Dual WWAN module support + dual SIM cards, WLAN and Bluetooth options with external antenna
- CAN 2.0B, Optional OBDDII function (SAE J1939/J1708)
- Windows 10 plus Win 8, 7, WE7 or Linux
- MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -40°C to 70°C
- Smart power management with 9-36VDC power input and Ignition on/off delay controls

**Nexcom VTC1020 & VTC1020-PA**

Compact, entry level PC for harsh in-vehicle environment

- Intel® Core™ i7-6600U Dual Core 1.8GHz up to 16GB RAM, dual externally accessible 2.5" SATA SSD drives, plus CF-AST SSD slot
- 2 x miniPCIe expansion slots
- Dual WWAN module support + 3 x SIM cards, WLAN and Bluetooth options with external antenna
- CAN 2.0B, Optional OBDDII function (SAE J1939/J1708)
- Supports high resolution VGA and DP Display Ports
- Windows 10, Win 8, WE8, Win 7, WE7/LE, Linux
- MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -40°C to 70°C
- Smart power management with 9-36VDC power input and Ignition on/off delay controls

**Nexcom VTC6210-BK & VTC6210-VR4**

Powerful Intel® Atom™ E3845 Fanless In-Vehicle Computer for harsh In-Vehicle environments.

- Intel® Atom™ quad core E3845 (Bay Trail), 1.91GHz Processor, up to 8GB RAM, externally accessible 2.5" SATA SSD/HDD drive bay and CFAST SSD slot
- 4 x miniPCIe expansion slots plus PCI104 slot
- Integral G-sensor with Dead Reckoning option
- Dual WWAN module support + 3 x SIM cards, WLAN and Bluetooth options with external antenna
- CAN 2.0B, Optional OBDDII function (SAE J1939/J1708)
- Supports high resolution VGA and DP Display Ports
- 4 channel Analog Video input on
- Windows 10, Win 8, Win 7, WE7/LE or Linux
- MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -30°C to 70°C
- Smart power management with 9-36VDC power input and Ignition on/off delay controls

**Nexcom VTC6220-BK**

Intel® x7-E3950 Fanless In-Vehicle Computer

- Intel® x7-E3950 processor quad core 1.6GHz, up to 8GB RAM, externally accessible 2.5" SATA SSD/HDD drive bay and CFAST SSD slot
- 4 x miniPCIe expansion slots plus PCI104 slot
- Integral GPS plus Dead Reckoning option, G-sensor
- Dual WWAN module support + 3 x SIM cards, WLAN and Bluetooth options with external antenna
- CAN 2.0B, Optional OBDDII function (SAE J1939/J1708)
- VGA, HDMI and optional ultraOne+ or LVDS
- 2 channel Analog Video input
- Windows 10, Win 8, WE8, Win 7, WE7/LE, Linux
- MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -30°C to 70°C
- Smart power management with 9-36VDC power input and Ignition on/off delay controls

**Nexcom VTC7220**

New family of high performance fanless In-Vehicle PCs using Next Generation Intel® Core™ Processor's

- Core™ i7-4650U processor with up to 16GB RAM, dual externally accessible 2.5" SATA SSD drives, plus CF-AST SSD slot
- 3 x miniPCIe expansion slots
- Integral G-sensor with Dead Reckoning option and G-Sensor
- Dual WWAN module support + 3 x SIM cards, WLAN and Bluetooth options with external antenna
- CAN 2.0B, Optional OBDDII function (SAE J1939/J1708)
- Supports high resolution VGA and DP Display Ports
- Windows 10, Win 8, WE8, Win 7, WE7/LE, Linux
- MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -30°C to 55°C
- Smart power management with 9-36VDC power input and Ignition on/off delay controls

**Nexcom VTK-62B**

Back up smart battery + charger

- Battery back-up for 4 hours in system full loading (3.4A/12V)
- Thermal control
- SMBus interface
- For Nexcom VTC flexx series
- Operating temperature 0°C to 55°C, CE Approval
- 9-36VDC power input with Ignition control
2.2GHz processor
2.1GHz processor

• 8 x 10/100/1000 Mbps 802.3af PoE ports

Vehicle information stamp in video with powerful analytics Capability for In-Vehicle and Rail environments

Modular Vehicle Computers with 8-CH PoE Premium Mobile NVR with powerful analytics Capability for In-Vehicle and Rail environments

• Multiprocessor systems with x NVR = tracker functions
• Vehicle information stamp in video
• 8 x 10/100/1000 Mbps 802.3af PoE ports
• VMS software installed (on MVS5200/5210)
• MVS5200 with Inte®l Core™ dual core i3-5100U, 2.1GHz processor
• MVS5210 with Intel Core dual core i7-5660U, 2.2GHz processor
• Dual removable SATA 3.0 SSD/HDD
• 7/24 GNSS tracker function support even PC is off
• Built-in in CAN 2.0B. Optional OBDII function (SAE J1939)
• MVS5210-R is the rail version with ENS0155 Class TX conformity

Nexcom VTC6210-R

Intel® Atom™ E3845 Fanless Rolling Stock Computer with EN50155 Conformity

• Intel® Atom™ dual core E3845 (Bay Trail), 1.91GHz Processor, up to 8GB RAM, externally accessible 2.5" SATA SSD/HDD drive bay and CF/AST SSD slot
• 3 x miniPCIE expansion slots plus PCIe1x slot
• Integral GPS plus Dead Reckoning option, G-sensor
• Dual WWAN modules support + 3 x SIM cards, WLAN and Bluetooth options with external antenna
• CAN 2.0B, 4 x DI 4 x DO w/isolation
• Supports high resolution VGA and DP Display Ports
• Windows 8, Win 7, WESTe or Linux
• EN50155 conformity, MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -30°C to 70°C
• DC Input 24/38 VDC, w/o isolation or DC Input 110 VDC w/isolation, 3VDC power isolation protection (VTC6210 RF Only)

Nexcom VTC7220-R

Intel® Core™ i7-4650U Fanless Rolling Stock Computer with EN50155 Conformity

• Intel® Core™ i7-4650U processor with up to 16GB RAM, dual externally accessible 2.5" SATA SSD/HDD drives, RAID 0,1 supported plus 1 x CF/AST
• 4 x miniPCIE expansion slots
• Integral GPS (iBeO-M8 module) optional dead reckoning, built in G-sensor
• Dual WWAN modules support + 3 x SIM cards, WLAN and Bluetooth options with external antenna
• CAN 2.0B or GbODI (SAE J1939)
• Supports high resolution VSGA and DP Display Ports
• Windows 10, Win 8, WES8, Win 7, WESTe, Linux
• EN50155 conformity, MIL-STD-810G tested for Truck Vibration and Shock, E-marked, Operating temperature -30°C to 50°C
• DC Input 24VDC (PA), 36 VDC (RB), 48 VDC (PC) or 110VDC (PF) all with isolation.

Nexcom nROK1020-A

Intel Atom® x5-E3930 processor Fanless Railway Computer with EN50155 Conformity

• Intel Atom® x5-E3930 dual core 1.86GHz, up to 16GB RAM, with 1 x 2.5” SATA drive and 1 x mSATA
• 2 x miniPCIE expansion slots
• Integral WLAN, 3G/4G/LTE, GPS with optional dead reckoning
• Giga Ethernet, RS232/485, USB and G-Ports supports
• VGA and HDMI connectors
• ENS0155 Class TX conformity and compliance to EN45545-2, operating temperature -40°C to 70°C
• Windows 15, Linux
• 24VDC Power DC Input without isolation.

Nexcom nROK3000 & 5500 Series

Powerful Fanless i7 based Rolling Stock Computer with 8 channel PoE and 4 x removable storage drives.

• Intel® Core™ 15-3610ME (nROK3000) or i7 3517U E 1.7Ghz (nROK5000) up to 16GB RAM and 4 bays of removable 2.5" SATA drives
• 3 x miniPCIE expansion slots
• Integral WLAN, 3G/4G/LTE, GPS with optional dead reckoning
• Up to 8 channels Giga Ethernet PoE 802.3at
• Giga Ethernet, RS232/422/485, USB and GPIO ports
• Support for Dual PCI express x8 expansion
• VGA and HDMI connectors
• Certified ENS0155 for rail/on-train usage, IP54, operating temperature -40°C to 70°C
• Windows 10, Win 7, WESTe, Win 8 SE, Linux
• 24, 36, 72 & 110 VDC Power DC Input options, all with isolation, without isolation.

Nexcom NANO 1190-RA Series

Standalone Networking Video Recorder for Road Vehicle and Railway

• Standalone NVR (embedded VMS built-in)
• Simultaneous live view, record and playback
• 4 x PoE ports 4-channel/IP Camera 1080p@120fps
• 802.3at/802.3af (Max. 60W) with M12 connectors for Rail version
• Support ONVIF compliant camera
• Support Samba/IFS/FTP protocols to connect NAS
• Capability of assigning fixed IP address
• 2.5” removable SSD
• CE/EN50155 Tx certification operating temp. -40°C - 70°C
• 9V - 36V DC with smart Power management
• CE/EN50155 Tx certification

Modular Vehicle Computer Systems

Nexcom MVS52XX Series

Modular Vehicle Computers with 8-CH PoE Premium Mobile NVR with powerful analytics Capability for In-Vehicle and Rail environments

• Multiprocessor systems with x NVR = tracker functions
• Vehicle information stamp in video
• 8 x 10/100/1000 Mbps 802.3af PoE ports
• VMS software installed (on MVS5200/5210)
• MVS5200 with Inte®l Core™ dual core i3-5100U, 2.1GHz processor
• MVS5210 with Intel Core dual core i7-5660U, 2.2GHz processor
• Dual removable SATA 3.0 SSD/HDD
• 7/24 GNSS tracker function support even PC is off
• Built-in in CAN 2.0B. Optional OBDII function (SAE J1939)
• MVS5210-R is the rail version with ENS0155 Class TX conformity

Nexcom ATC8010

Intel® Coffee Lake-S CPU + NVIDIA GPU Powerful Intelligent Platform for AI and ANPR/AFR

• NVIDIA GTX 1060Ti M0XM graphic module supported
• 3 x miniPCIE and 1 x M.2
• 8-Port 802.3at PoE
• 1 x VGA and 5 x HDMI video output
• ultraONE+ for 10-Meter video + audio output
• 2 x External SSD and 2 x mSATA for RAID 0, 1, 5, 10
• 2 x WWAN module and 3 x SIM socket with eSIM option
• Swappable fan kit
• EN50155 Tx (24V DC) compliant and E-marked, operating temperature -40°C to 70°C

Nexcom INAS330

Extremely rugged, fanless, industrial Network Attached Storage

• Intel® Atom™ D525Dual Core 1.8GHz, up to 4GB RAM and 2.5” SATA drive.
• Integral WLAN, 3G/4G/LTE, GPS
• 3 Channels Giga Ethernet with M12 connectors
• RS232 and USB ports
• Support for Dual PCI express x8 expansion
• Certified ENS0155 for rail on-train usage, operating temperature -40°C to 70°C
• Windows 7 Pro, Windows 7 Embedded
• 24VDC and 110VDC Power DC Input options, with smart power management

Nexcom MVS5600-38K & 5600-78K

Intel® Core™ i7 Modular Fanless In-Vehicle Computer ideal for harsh environments

• Intel® Core™ dual core i7-6600U/1-6100U
• Modular design for flexible I/O expansion
• Built-in in a blue MNO-MB module, optional Dead Reckoning support
• Three SIM cards + dual WWAN modules support
• Wake on RTC/SMS and voice communication via WWAN module
• iButton for driver ID identification
• Built-in CAN 2.0B. Optional OBDII function (SAE J1939)
Getac S410
Semi-Rugged Windows Notebook

- 14” TFT LCD HD (1366 x 768) or FHD (1920 x 1080) display with optional sunlight readable multi-touch
- Intel Core i5, i3 or i7 (optional vPro) processor, 4GB to 32GB RAM, choice of 500GB or 1TB HDD, 128GB to 1TB SSD (Two disk bays)
- Comprehensive IO interface with optional Rugged USB 2.0
- BT, WLAN, optional GPS, 4G LTE and pass-through
- Optional: 2nd battery in Multimedia Bay
- Li-ion smart battery: 8,700 mAh (option for 2nd battery)

Getac B300
Fully Rugged Windows Notebook

- 13.3” TFT LCD XGA (1024x768) optical pressure sensitive touchscreen with high brightness option
- Choice of Intel Core i5-8250U (1.6GHz) or i7-8550U (1.8GHz) Processor with Turbo Boost (optional vPro versions), Intel® HD Graphics 620, 8GB to 32GB RAM, 256GB to 1TB SATA SSD (shock-protected)
- Ethernet, WLAN, BT (Class 1)
- Optional: BT, WLAN Dual Band, DVD super multi drive, GPS
- Windows 10 Pro
- IP65, MIL-STD-810G, shock-protected, optional night vision, operating temperature -21°C to 60°C
- Li-ion smart battery: 8,700 mAh (option for 2nd battery in Multimedia Bay)

Getac X500 (X500 Server)
Powerful Ultra-Rugged Windows Notebook

- 15.6” TFT LCD FHD (1920 x 1080) Quadro-grade sunlight readable display with multi-touchscreen,
- Choice of Intel Core i5-7440HQ (2.8GHz) or i7-7820HQ (2.8GHz) vPro Processor with Turbo Boost, Intel HD Graphics 630 (optional NVIDIA® GTX 950M), 8GB to 64GB DDR3 RAM, 500GB or 1TB SATA HDD with optional 2nd drive (up to 1TB SSD)
- 2 x PCMCIA, 1 x Express Card, DVD super multi drive, optional 3MP Camera, Ethernet, WLAN, BT (Class 5), optional 4G & GPS
- Windows 10 Professional
- IP65, MIL-STD-810G, vibration & drop resistant, optional night vision, operating temperature -20°C to 55°C
- Li-ion Smart battery: 8,700 mAh (option for 2nd battery in Multimedia Bay)
- X500 Rugged Server also available with a hardware RAID (redundant array of independent disks) controller to improve performance & protect your data, expandable up to 5TB. Can be configured for RAID level 0, 1, 5

Getac V110
Thin and lightweight Fully Rugged Windows Notebook to Tablet convertible PC

- 11.6” TFT LCD HD LumiBond (1366 x 768) Quadro-grade capacitive multi-touchscreen, rotating display (optional multi-touch with digitizer display)
- Choice of 6th Generation Intel Core i5-7300U or i7-7500U (optional vPro) processor with Intel Turbo Boost, 8GB to 16GB RAM, 128GB up to 1TB SSD drive
- FHD webcam, Ethernet, RS232, WLAN, BT (Class 1), Optional: 4G, GPS, RFID, RF antenna pass-through & rear 8MP Camera
- Windows 10 Professional
- IP65, MIL-STD-810G, operating temperature of -2°C to 60°C, e4 mark certified for vehicle usage
- Li-ion Dual Smart battery: 2,100 mAh x2 with LiLife support battery swappable technology

DURABOOK R13S
Fully Rugged Windows Notebook

- 13.3” TFT LCD (1024 x 768) resistive sunlight readable touch panel
- Intel 6th Generation Skylake-U, up to 2GB RAM, 2.5” SATA HDD or SSD
- Comprehensive IO interfaces
- BT, WLAN Dual Band, optional GPS, 3G or 4G LTE
- DVD super multi drive, PCMCIA, Express Card or Smart Card Reader, USB, RS45, VGA, RSS22
- Windows 10 Professional
- IP65, MIL-STD-810G & F (Level II), 1.2m drop resistance, sealed ports and connectors, operating temperature -21°C to 60°C
- Li-ion battery: 7,800 mAh (option for 2nd battery)

Panasonic CF-20
Fully Rugged Detachable Notebook

- 10.1” WXGA (1920 x 1200) high brightness, capacitive multitouch, glove enabled touchscreen, with IPS outdoor display technology & optional IP55 rated Digitiser
- Intel® Core™ i5-7200U vPro™ processor, 8GB RAM, 256GB SSD
- BT (Class 1). WLAN, optional GPS & 4G LTE, BMP Rear Camera
- Configurable IO interface on both tablet and keyboard
- Configurable port option for serial, barcode reader or 2nd USB
- Optional: NFC, FingerPrint or Smart Card Reader
- Windows 10 Professional
- IP65, MIL-STD-810G, 1.2m drop resistance, operating temperature -20°C to 60°C
- Li-ion battery: 2 x 3,600mAh (5 in tablet & 1 in keyboard base)

Panasonic CF-33
2-in-1 Detachable 12” Fully Rugged Notebook or Tablet

- 12” QHD IPS LCD display(2160 x 1440)
- 2.6GHz Intel® i5-7300U vPro processor, 8GB RAM, 256GB SSD
- AF 8 Megapixel Camera with Flash LED, WLAN Dual Band, 2x LAN Ports, BT, Optional LTE and GPS/GLONASS
- Choice of expansion modules 2D BR or FingerPrint or SmartCard Reader or Extended battery
- Windows 10 Pro
- IP65, 1.2m drop tested, operating temperature -20°C to 60°C
- Li-ion 2x 1900mAh (Standard battery) or 2x 4120mAh (Extended battery)
- Standalone tablet also available

Panasonic CF-54
Semi-Rugged Windows Notebook

- 14” HD (1366x768) (TFT) HD LCD
- Intel® Core™ i5-7300U vPro™ Processor
- 4GB DDR4 RAM (up to 32GB), 500GB HDD or 128GB/256GB SSD
- Ethernet, WLAN, BT (Class 1), optional 4G LTE & dedicated GPS
- Windows 10 Professional
- Shock & vibration protected for vehicle docking, 0.9m drop resistance, operating temperature -20°C to 60°C
- Li-ion battery with up to 10 hours battery life with option for 2nd battery

www.ruggedmobilesystems.co.uk
Rugged Windows & Android PDAs
www.ruggedmobilesystems.co.uk

M3 Black
The New Prime Mobile Computer

• 3.5" VGA LCD Display (480 x 640).
• 1.0GHz Processor, 512MB RAM, 8GB ROM
• 5MP Camera, 3G/3G, WLAN, BT, 1D/2D barcode reader, GPS
• Numeric keyboard
• Windows Embedded Handheld 6.5 or Win CE 6.0
• IP65, 2m drop tested, operating temperature -20°C to 60°C.
• Li-ion battery: 3,400mAh or 5,100mAh

M3 OX10-1G
Multi-functional Industrial PDA

• 3.5" VGA TFT LCD Display (480 x 640).
• 1GHz Processor, 512MB RAM, 4GB ROM
• AF 5MP Camera, 2G/3G, WLAN, BT, RFID, 1D/2D RS, A-GPS, GLONASS
• Choice of Alpha numeric or QWERTY keyboard
• Windows Embedded Handheld 6.5
• IP65, 1.5m drop tested, operating temperature -20°C to 60°C.
• Li-ion battery: 3,300mAh

Honeywell CK75
Robust Handheld Computing Devices

• 3.5" Transmissive VGA (480 x 640), Gorilla® Glass with LED backlight, 1 GHz Texas Instruments OMAP Dual Core Processor, 2GB RAM, 16GB Flash & MicroSD Slot
• WLAN, BT, Optional SMP Camera, choice of 2D barcode imagers
• Windows Embedded Handheld 6.5 Professional with Office Mobile
• IP67, 2.4m drop resistance, operating temperature -20°C to 60°C
• Li-ion removable battery: 5,200mAh

Handheld Nautiz X4
Fully Rugged Handheld

• 3.5" VGA High Brightness, resistive Display
• 1GHz Texas Instruments AM3703 Processor, 512MB RAM, 1GB Flash
• 8MP Camera, WLAN, BT, GPS, 1D laser scanner or 2D Imager
• Windows Embedded Handheld 6.5 Professional with Office Mobile
• IP65, 1.22m drop tested, operating temperature -20°C to 55°C
• Li-ion battery: 4,000mAh

Handheld Nautiz X8
Fully Rugged Handheld

• 4.7" FWVGA (854 x 480) High Brightness, Asahi Dragontrail strengthened glass capacitive Display
• 1.5GHz Texas Instruments 4470 Dual Core Processor, 1GB RAM, 4GB iNAND Flash
• 8MP camera, WLAN, BT, GPS, optional 3.9G
• Windows Embedded Handheld 6.5.3 or Android 4.2.2
• IP67, 1.22m drop tested, MIL-STD-810G, operating temperature -30°C to 60°C
• Li-ion battery: 5,200mAh

Juniper ArcherII
Ultimate Rugged Handheld

• 4.3" WVGA LCD TFT (800x480)
• 1GHz ARM Cortex A8 Processor, 512MB RAM, 8GB Flash storage.
• 5MP autofocus camera (Geo Models), WLAN, BT, GPS, GLONASS/SBAS
• 3.75G (Geo 3G Only)
• COM1, RS-232C 9-Pin D Connector, USB host (Full A), USB Client (Micro B)
• Windows® Embedded Handheld 6.5 Professional or Classic
• IP68, 1.5m drop tested, operating temperature -30°C to 70°C
• Li-ion smart battery: 12,000mAh

Zebra Workabout Pro 4
Rugged PDA for the mobile worker

• 4.3" WVGA LCD TFT (800x480)
• 1GHz ARM Cortex A8 Processor, 512MB RAM, 1GB ROM & MicroSD slot
• 8MP Camera, WLAN, BT, Optional 3G, GPS, range of 1D laser or imager barcode scanners, LF, UHF or HF RFID modules
• Windows® Embedded Handheld 6.5.3 Professional or Classic
• IP68, 1.5m drop tested, operating temperature -30°C to 50°C
• Li-ion smart battery: 12,000mAh
• Numeric or Qwerty keypad

Janam XM5
Rugged Mobile Computer

• 3.5" VGA TFT LCD display resistive display.
• 1GHz ARM Cortex A8 Processor, 512MB RAM, 1GB ROM & MicroSD slot
• SMP Camera, WLAN, BT, 3G, GPS, 2D barcode Imager or scanner
• Windows Embedded Handheld 6.5 or Android 4.2
• IP65, 1.5m drop tested, operating temperature -20°C to 60°C
• Li-ion battery: 4,000mAh

Trimble Ranger 7
Outdoor Rugged Handheld

• 7" LCD with LED backlight, Gorilla® Glass 3.0, capacitive multi-touch touchscreen
• 2.5GHz Intel N4200 processor, 8GB RAM, 64GB SSD (eMMC)
• 8MP AF Rear camera, 2MP Front Camera, WLAN, BT, GPS, 3G optional 4G/LTE, Alphanumeric Keypad
• Optional Barcode Reader, RFID and GNSS
• RS232 or USB Boot, Micro SD/SDXC
• Windows 10 Professional
• IP65 & IP68, 1.22m drop tested, operating temperature -30°C to 60°C, Li-ion battery: up to 12 hours

Zebra MC3300
Platform For The Warehouse And Beyond

• 4.0" WVGA with LED Backlit
• 1.8GHz Hexa-Core Qualcomm Processor, RAM/Storage (depends on model): 2GB/16GB or 4GB/64GB or 4GB/32GB
• 15MP camera (Premium+ only), 4G/LTE, NFC (Premium+ only), WLAN, BT, PTT, USB 2.0
• 1D/2D Barcode scanner
• Android 7 Nougat with GNSS
• IP65, 1.5m drop tested.
• Operating temperature -20°C to 52°C
• Li-ion battery: 5,200mAh
### Rugged Windows Tablets

**www.ruggedmobilesystems.co.uk**

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
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<td>CAT T20</td>
<td><strong>Rugged Windows 10 Tablet</strong></td>
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<tr>
<td></td>
<td>- 7” IPS LCD (1280 x 800) capacitive display</td>
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<td></td>
<td>- Intel Atom Z8550 (Quad-core), 1.8 GHz, burst up to 2.56 GHz, 4GB to 8GB RAM, 128GB to</td>
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<td>256GB SSD</td>
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<td>- IP65, 1.8m drop tested, 8MP rear camera, WLAN, Bluetooth, 4G LTE, optional hot swap</td>
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<td>battery, 4,200mAh, optional hot swap battery</td>
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<td>Getac T800</td>
<td><strong>Fully Rugged Windows 10 Tablet</strong></td>
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<tr>
<td></td>
<td>- 8.1” IPS TFT LCD (1280x800) + 2GB RAM, 128GB SSD, Intel® N3710 processor, 4GB RAM,</td>
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<td>8GB RAM, 128GB SSD, AF 8 Megapixel Camera with LED Flash, 4G LTE, WLAN, BT, GPS/GLONASS,</td>
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<td>2x USB 3.0, 10.1” sunlight-viewable 1920x1200 WUXGA Active Matrix (TFT) IPS digitizer</td>
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<td>display (800xNITS)</td>
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<td>- Configurable port for Serial, 2nd USB, PL54, Micro SD</td>
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<td></td>
<td>- 10.1” 2K Resolution (1920x1200) Active Matrix (TFT) IPS digitizer display (800NITS)</td>
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<td>- Windows 10 Pro</td>
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<td>- 128GB SSD</td>
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<td>- Configurable port for Serial, 2nd USB, PL54, Micro SD</td>
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<td></td>
<td>- 10.1” 2K Resolution (1920x1200) Active Matrix (TFT) IPS digitizer display (800NITS)</td>
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<td>- 10.1” sunlight-viewable (1920x1200) WUXGA Active Matrix (TFT) IPS digitizer display</td>
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<td>(800xNITS)</td>
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<td></td>
<td>- Intel Core i5-7300U vPro™ - 8GB RAM, 256GB SSD</td>
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<td></td>
<td>- IP65, 1.8m drop tested, 8MP rear camera, WLAN, Bluetooth, 4G LTE, optional hot swap</td>
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<td>battery, 4,200mAh, optional hot swap battery</td>
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</tbody>
</table>

### Juniper Systems – Mesa2

**Portable And Powerful Field Computing**

- 7” TFT LCD (1280 x 800) capacitive sunlight readable multi touch
- Quad Core Intel Atom Processor, 4GB RAM, 64GB SSD, Android 7.1, 1-4GB RAM, 128GB SSD, Android 8.1
- Wi-Fi 802.11ac, Bluetooth 4.2, Micro HDMI
- 5,400mAh or extended 8,000mAh

### Handheld ALGIZ 8X

**Rugged and Durable Windows 10 Tablets**

- 10.1” IPS touch screen (1280x800), Intel® Atom™ x5-Z8350 1.44 GHz, 128GB SSD, 2GB to 4GB RAM, 32GB to 64GB eMMC storage
- Windows 10 Pro
- 10.1” IPS touch screen (1280x800), Intel® Atom™ x5-Z8350 1.44 GHz, 128GB SSD, 2GB to 4GB RAM, 32GB to 64GB eMMC storage
- Windows 10 Professional
- 10.1” sunlight-viewable (1920x1200) WUXGA Active Matrix (TFT) IPS digitizer display (800NITS)
- 10.1” sunlight-viewable (1920x1200) WUXGA Active Matrix (TFT) IPS digitizer display (800NITS)
- Intel Core i5-7300U vPro™ - 8GB RAM, 256GB SSD
- IP65, 1.8m drop tested, 8MP Rear Camera, optional hot swap battery
- Optional 12/2D Barcode Scanner and UHF RFID Reader
- Windows 10 IoT Enterprise
- IP65, 1.8m drop tested, User replaceable battery

### Logic Instrument Fieldbook K101

**Fully Rugged Windows Tablet**

- 10.1” sunlight-viewable (1920x1200) WUXGA Active Matrix (TFT) IPS digitizer display (800NITS)
- Intel Core i5-7300U vPro™ - 8GB RAM, 256GB SSD
- IP65, 1.8m drop tested, 8MP Rear Camera, optional hot swap battery
- Optional UHF RFID Reader
- Windows 10 Professional
- IP65, 1.8m drop tested, 8MP Rear Camera, optional smartcard reader
- Windows 10 Professional
- IP65, 1.8m drop tested, 8MP Rear Camera, optional hot swap battery
- ATEX Zone 2 model available (Mk4)
Zebra/ Xplore XC6
Ultra Rugged Industrial Windows Tablet PC

- 10.4” Sunlight readable XGA LED IPS (1280 x 768) resistive multi-touch Display
- 1.7GHz Intel® Core™ i5-6300U (1.9GHz) or i7-6500U Processor, 4GB to 16GB RAM, 128GB to 256GB SSD (RAID capable)
- 5MP camera (barcode capable), WLAN BT, optional 4G, 2m or sub-meter GPS
- Windows 10 Pro
- IP67, 2.22m drop tested to concrete (2.13m to plywood), operating temperature: -3°C to 60°C, Hazardous Location (ATEX Zone 2) Compliant
- Replaceable Li-Ion Battery: 81.4 Whr

Zebra/ Xplore Xslate B10
Fully Rugged Windows 10 Tablet

- 10.1” WXGA (1366 x 768) capacitive display, with Wacom digitiser pen input
- Intel Core i5-5350U 1.8GHz Processor, optional 5200 2.2GHz 8GB RAM, 128GB to 256GB SSD
- 2 x USB 3.0, 1 x True Serial Ready port, 1 x RJ-45 port as standard
- BT, WLAN, GPS & optional 4G/LTE
- 8MP Rear Camera, Fingerprint scanner, optional NFC, barcode reader, HDMI Input
- Windows 10 Pro
- IP65, MIL-STD-810G, 1.5m drop resistant, operating temperature -29°C to 63°C
- Li-Ion battery: 5,300mAh or 10,600mAh

Handheld Algiz 10X-V2 & V3
Powerful Rugged Tablet PCs

- 10.1” widescreen, high brightness display 10X-V2: resistive touchscreen (1366x768) 10X-V3: capacitive touchscreen (1920x1200)
- Intel Quad Core 1.8GHz Processor, 4GB RAM, 128GB SSD
- 5MP camera, WLAN, BT, 3G, 4G LTE, GPS
- Windows 7 Ultimate or 10 Professional
- Windows 10 Pro
- HD webcam, 8MP rear camera, WLAN, BT (Class 1), optional 4G, GPS, Choice of RFID, 1D/2D imager barcode reader or choice of ports
- Windows 7 or Windows 10 Professional
- Li-Ion dual batteries: 2,160mAh

Getac F110
Fully Rugged Windows Tablet PC

- 11.6” TFT LCD HD (1366x768) Capacitive Display (optional dual mode with digitiser)
- Intel Core i5-7200U (optional vPro) Processors, 4GB to 16GB RAM, 128GB SSD to 512GB SSD
- HD webcam, 8MP rear camera, WLAN, BT (Class 1), optional 4G, GPS, Choice of RFID, 1D/2D imager barcode reader or choice of ports
- Windows 7 or Windows 10 Professional
- Li-Ion drop resistant, operating temperature -21°C to 50°C
- Li-Ion dual batteries: 2,160mAh

Getac A140
Rugged Windows 10 Tablet

- 14” TFT LCD HD (1366 x 768) capacitive sunlight readable, multi-touch display
- Intel Core i5-6200U 2.3 GHz, 4GB to 32GB RAM, 128GB to 512GB SSD
- Optional FHD webcam, 8MP rear camera, WLAN, BT (Class 1), optional 4G LTE (V3 LTE ready), GPS, 1D/2D imager barcode reader, Serial or VGA, Fingerprint scanner or HF RFID reader
- Windows 7 or 10 Professional
- IP65, MIL-STD-810G, vibration & drop resistant, operating temperature -20°C to 60°C
- Hot swappable Li-Ion Battery: 3,220mAh

Panasonic CF-33 Tablet
The fully rugged tablet ideal for mobile workers

- 12.0” QHD (2160x1440) digitiser display (1200NITS)
- Intel Core i5-6300U vPro Processor 8GB RAM, 256GB SSD
- 8MP Camera with LED Flash, WLAN Dual Band, BT (Class 1), RJ45, USB, HDMI, Optional 4G LTE or Dedicated GPS
- Optional True Serial Port, 2D Barcode Reader or 2nd USB in expansion slot
- Windows 10 Pro
- IP65, MIL-STD-810G, 1.5m drop resistant, operating temperature -20°C to 60°C
- 2x 1,990mAh standard batteries, Optional 4,120 mAh extended batteries
- Also available with detachable keyboard

Durabook R11
Fully Rugged yet Slim Windows Tablet PC

- 11.6” TFT LCD FHD (1920x1080) Capacitive Display (optional digitiser) up to 500NITS
- Intel Haswell i5 or i7 Processors, 4GB to 8GB RAM, 64GB to 256GB SSD
- 5MP rear camera, WLAN, BT (Class 1), optional 4G, GPS, Choice of RFID, 1D/2D imager barcode reader, MSR with SCR
- Windows 10 Professional
- IP65, 2m drop tested, operating temperature -10°C to 50°C
- Li-Ion battery: 4,130mAh

Logic Instrument FIELDBOOK K122M3
Large, robust, interface rich, Windows tablet

- 12.2” (1920x1200) IPS capacitive display with digitiser
- Intel® Skylake Core™ m3-7Y30 processor, Intel® HD Graphics 515
- 8GB of RAM, 128GB Storage
- 3 x USB, 1x HDMI, 1x RJ45, 1x RS232, 1x RS485 ports as standard
- 2MP front camera, 5MP rear camera
- WLAN, BT, 4G LTE
- Windows 10 Pro
- 1.2m Drop resistant, IP65 water and dustproof operating temperature: -10°C to 50°C
- 6,000mAh User replaceable battery
Rugged Android Tablets
www.ruggedmobilesystems.co.uk

Getac ZX70 (& ZX70-Ex)
Fully Rugged 7” Android Tablet with glove-enabled touch screen
• 7” IPS TFT LCD (1280x800) sunlight readable capacitive touch screen with glove on • Intel Atom 1.44GHz Processor, 2GB to 4GB RAM, 32GB eMMC • BMP Camera, WLAN, Bluetooth, GPS, optional 4G LTE, • Optional Barcode Reader, NFC/RFID combo reader, UHF RFID and RF pass-through antenna for GPS & 4G
• IP67, 1.2m drop resistant, operating temperature -20°C to 50°C • 8MP Rear Camera, NFC, optional 2D barcode reader & HP RFID reader • Android 6.0 (with GMS) • IP65, 1.2m drop resistance, operating temperature -20°C to 50°C • Rechargeable Li-ion battery: 6,000 mAh • eTicket mobile ticketing version also available

Panasonic FZ-B2
Fully Rugged Lightweight Android Tablet
• 7” WXGA TFT LCD (1280 x 800) sunlight readable capacitive multi-touch display • 1.44GHz Intel Atom processor, 2GB RAM, 32GB eMMC Storage • 8MP rear camera with LED light, WLAN, BT, 4G LTE • Configuration Port for optional 2D barcode reader or LAN port • Business expansion module for optional: hot swap battery or Smartcard reader • Android™ 6.0 • IP65, 1.5m drop resistance • Li-ion replaceable battery: 3,200 mAh • New Panasonic FZ-L1 Android 8.1 IP67 tablet due late 2018

Handheld Algiz RT7
Rugged compact Android 6.0 Tablet
• 7” WXGA (1280 x 800) capacitive touch display (800NTS) with chemically strengthened glass • Qualcomm Quad Core 1.2GHZ Processor, 2GB RAM, 16GB eMMC (SDHC slot 32GB) • USB A Host, Micro USB & RJ-45 ports • BT (Class 1&2), WLAN, GPS & 3G/4G (Voice & Data), Dual SIM • BMP Rear Camera, NFC, optional 2D barcode reader & HP RFID reader • Android 6.0 (with GMS) • IP65, 1.5m drop resistance, operating temperature -10°C to 50°C • Rechargeable Li-ion battery: 7,000mAh battery

Juniper Systems Cedar C77G
Fully rugged 7” Android 6.0 tablet
• 7” HD IPS display (1280 x 800) • MT6735 64-bit quad core processor, 2GB RAM, internal storage: 16GB, MicroSD up to 32GB • 13 Megapixel Camera • 4G/LTE (Dual Sim), WLAN, BT, GPS/GLONASS, NFC, PTT • Android 6.0 • IP68, 0.91m drop tested, operating temperature -10°C to 50°C • Li-ion 7000mAh battery

Getac MX50
Fully rugged Wearable 5.7” Android Tablet for defence sector
• 5.7” IPS TFT LCD (1280 x 720) • 1.44GHz Intel Atom™ Z8350 processor; 2GB RAM, eMMC 64GB / 128GB • 8 MP Camera, WLAN, BT, GPS, 1x MicroUSB OTG • Android 5.1 with GMS • Optional Snap Back battery, MIL-STD-461G AC Adapter • IP67, 1.5m drop tested, operating temperature -21°C to 60°C • MIL-STD-810G Certified • Li-ion 4200mAh battery

Logic Instrument Fieldbook N80
Rugged and Durable Windows 10 Tablets
• 8.0” IPS touch screen (1280x800) • Qualcomm Octo-Core Processor (1.4 GHz) • 3GB RAM, 32GB Storage • GPS, WLAN, BT&4G (Dual SIM) • 15” 2D Barcode reader option, NFC • 16MP rear camera, USB Type-C (Android 8.1) (GMS) • IP67, 1.2m drop resistant, operating temperature -20°C to 60°C • 8,000mAh user-replaceable battery

Advantech AIM-68
Industrial, customisable Android Tablet
• 10.1” FHD LCD (1920 x 1200) WXGA display, 380 or 800NTS • Intel® Atom™-quad-core x7-Z8750 (1.8 GHz) • 4GB to 8GB RAM, 64GB to 128GB eMMC storage • 5MP camera with LED flash, WLAN, BT, 4G with AGPS or standalone GPS • NFC, optional 10/100 Barcode Scanner and LAN+COM module • Windows 10 IoT Enterprise • IP65, 1.2m drop tested, operating temperature -10°C to 50°C • User replaceable hot-swap battery

Zebra/ Xplore L10 Family
Fully Rugged Industrial Android Tablets
• 10.1” 2K Resolution (1920x1200) capacitive touch display, option for digitiser • Intel Pentium N4200 Processor, 4GB to 8GB RAM, 64GB eMMC Flash, Android: 2GB RAM, 32GB eMMC Flash • 13MP rear camera, WLAN, BT, optional 4G, GPS, barcode scanner, NFC • Android 10 (due early 2019) • IP65, 1.8m drop resistance to concrete, MIL-STD-810G, operating temperature -20°C to 60°C • Standard battery: up to 10 hours • Extended battery: up to 27 hours

Zebra ET50 & ET55
Rugged Android 8.1 & Windows 10 Tablets
• 8.3” or 10.1” TFT (1920x1200) capacitive touch displays with optional active pens • Intel Quad Core 1.59GHz (Windows) or 1.33GHz (Android) Processor, Windows: 4GB RAM, 64GB eMMC Flash, Android: 2GB RAM, 32GB eMMC Flash • Micro USB 2.0 port, Micro SDXC slot (up to 2TB) • BT (Class 2), WLAN, GPS & Optional 4G LTE (ET55) • BMP Rear Camera, NFC, optional barcode reader via expansion back • Android 6.0 or Windows 10 • IP65, raised bezel for LCD protection, 1.8m drop resistance (1.8m with frame), operating temperature -2°C to 50°C • Li-ion battery (8.3”): 5,900mAh, Li-ion battery (10.1”): 8700mAh, Optional hot swapable secondary 6,800 mAh battery

Panasonic FZ-A2
Professional-grade, rugged, reliable Android 6.0 Tablet
• 10.1” WXGA TFT LCD (1920 x 1200) sunlight readable, Capacitive multi-touch display • 1.44GHz Intel Atom processor, 4GB RAM, 32GB eMMC Storage • 8MP rear camera with LED light, WLAN, BT (Class 1), 4G • Configuration Port for optional 2D barcode reader or LAN port • Business expansion module for optional: hot swap battery or Smartcard reader • Android™ 6.0 • IP65, 1.2m drop resistance • Li-ion replaceable battery: 2,720mAh

CATALOGUE 2018-19
PRODUCTS
RUGGED SYSTEMS / T: 0845 652 0816 / F: 0845 652 0817 / E: SALES@RM-SYSTEMS.CO.UK / 2018-19
In-Vehicle Computer VTC 1021 for Smart Transit

The NEXCOM in-vehicle computer VTC 1021 facilitates surveillance and operational efficiency bringing public transit and fleet management into the smart era. Based on Intel Atom® x5-E3940 processor, the VTC 1021 represents a versatile solution combining strong computing power, two PoE ports to add video feed, major flexibility, wireless communication, and GPS tracking to record locations, internal activities, driving patterns, and vehicle diagnostics for a greater level of surveillance, safety, management, and infotainment such as:

- The VTC 1021 revamps public transit with enhanced surveillance and on-board infotainment. Two PoE ports allow for easily install and replace IP cameras within vehicle to record activities, and three mini-PCIe slots allow several cameras for multiple uses.
- In tour buses, the powerful VTC 1021 enables on-board Wi-Fi, plays movies, provides destination data and can be used in conjunction with payment terminals.
- For increased safety in long-distance bus or coach travel, a DIO command can be programmed to request technical or medical assistance.
- Installed in delivery vehicles, the VTC 1021 with GPS and wireless communication provides managers with secure real-time tracking of goods, remote updates to drivers, with optional Dead Reckoning (DR) feature to pin vehicle location if GPS signal is unreachable. Incorporating in-vehicle cameras, the dispatch centre can monitor goods in transit and driver behaviour to improve fleet safety and performance. Optimal vehicle condition is achieved by evaluating engine speed, brake condition, and fuel consumption using CAN bus, with optional OBDII function.

With compact and fanless design the VTC 1021 fits perfectly in vehicle cabs with limited space, withstanding extreme temperatures, humidity, vibration, and impacts and the optional back-up battery ensures that every ongoing process is fully accomplished, stored, and uploaded to the cloud to secure operations and management regardless any unstable power supply.

For larger applications with more camera inputs and higher levels of integration, the VTC1021 can be upgraded to the powerful Intel i3 or i7 based MVS56XX series systems, supporting up to 8 PoE camera inputs and wealth of I/O options.
Rugged Windows & Android Smartphones

www.ruggedmobilesystems.co.uk

Zebra TC8000
Touch Warehouse Mobile Computer
- 4.0" Multi-touch capacitive (840 x 480) multi-touch panel with optional conductive stylus
- 1.7GHz Dual Core processor: 1GB RAM, 4GB to 8GB Flash (optionally 2GB RAM & 16GB Flash)
- Custom IO Connector, Micro SD slot
- 8MP camera, WLAN (enterprise voice roaming), BT, NFC
- 1D/2D barcode imager with innovative scan angle
- Android 4.4.3
- IP65, MIL-STD-810G, 2.4m drop tested, operating temperature -20°C to 50°C
- Li-ion battery: 6700mAh (Hot Swappable)

Zebra TC25
Powerful Rugged Smartphone
- 4.3" WVGA Blanview® LCD capacitive display
- 1.4GHz 8-Core processor, 2GB RAM, 16GB Flash.
- 8MP camera, WLAN, BT, 4G LTE, GPS, 1D/2D barcode imager
- Android 7.0
- IP65, 1.2m drop and tumble tested
- Operating temperature -10°C to 50°C
- Non removable Lithium Ion battery: 3000mAh.

Trimble T41
Fully Rugged Handheld Computer
- 4.3" WVGA Sunlight-readable Corning® Gorilla® Glass
- 800MHz or 1 GHz Texas Instruments DM3730 Processor, up to 512MB DDR RAM, 8GB or 16GB Flash
- 8 MP camera with dual LED flash and geo-tagging, WLAN, BT, 3.75G, GPS, optional enhanced GPS, 1D/2D barcode or UHF RFID reader
- Android 4.1 or Windows Embedded Handheld 6.5
- IP65 or IP68, 1.22m drop tested, operating temperature -30°C to 60°C
- Li-ion battery: 3,300 mAh (optional Juice-pack)

Honeywell Dolphin CT40
Enterprise Ready Mobile Computer
- 4.7" HD Outdoor viewable display with capacitive multi-touch panel
- 2.26GHz Qualcomm Quad Core processor, 2GB RAM, 16GB Flash
- Custom IO Connector, Micro SD slot
- 8MP camera, WLAN, BT, GPS, NFC, Optional 4G LTE & 10/100 barcode imager
- RS232 or USB Boot, Micro SD/SDHC,
- Windows 10 IoT or Android 6.0
- 8MP camera, WLAN, BT, GPS, GLONASS, Optional 4G LTE & 1D/2D barcode imager
- RS232 or USB Boot, Micro SD/SDHC,
- Windows 10 IoT or Android 6.0
- 8MP camera, WLAN, BT, GPS, GLONASS, Optional 4G LTE & 1D/2D barcode imager
- 1x USB Type C, NFC
- Android 7.0
- IP65 or IP68, 1.22m drop tested, operating temperature -30°C to 60°C
- Li-ion battery: 4090mAh.

CAT S61
The World's First Thermal Imaging Smartphone
- Super bright 5.2" FHD (1920x1080)
- Qualcomm Octa-Core 2.2GHz processor, 4GB RAM, 64GB Flash, MicroSD 128GB
- PDAF 16MP Camera with FLIR Thermal Camera
- Indoor Air Quality (VoC) sensor
- Laser Assisted Distance Measurement
- 4G LTE, WLAN, BT, GPS/GLONASS
- 1x USB Type C, NFC
- Android 6.0
- IP67, 1.5m drop tested, operating temperature -25°C to 50°C
- Li-ion battery: 4500mAh
- CATS31 & CATS41 available without Thermal Imager

Juniper Systems CP3
Rugged Android Smartphone
- High-visibility AMOLED 5.5" display (1080x1920)
- Qualcomm Snapdragon 653 Octa Core processor, 6GB RAM, 64GB Internal Storage
- WLAN 802.11a/b/g/n, Bluetooth v4.0, NFC, 4G LTE
- 16MP front facing camera, 12MP rear camera
- Android 7.1.2
- Li-ion battery: 6300mAh
- IP68, 1.5m drop resistant, MIL-STD-810G, operating temperature -30°C to 60°C

Handheld NAUTIZ X2
Rugged Mobility Optimised
- 4.7" IPS display (1280 x 720)
- 1.3GHz Quad Core ARM® Cortex-A53 processor, 2GB RAM, 16GB Flash, MicroSD
- 8MP camera with Flash LED, 1D/2D Barcode reader, optional LF RFID or pistol grip UHF RFID
- 4G LTE, WLAN Dual Band, BT, GPS/GLONASS, 1x MicroUSB
- Android 7.0 (64 bit)
- IP65, 1.22m drop tested, operating temperature -20°C to 50°C
- Li-ion battery: 3300mAh

Honeywell Dolphin CT50
Enterprise Ready Mobile Computer
- 4.7" HD Outdoor viewable display with capacitive multi-touch panel
- 2.26GHz Qualcomm Quad Core processor, 2GB RAM, 16GB Flash
- Custom IO Connector, Micro SD slot
- 8MP camera, WLAN, BT, GPS, NFC, Optional 4G LTE & 10/100 barcode imager
- RS232 or USB Boot, Micro SD/SDHC,
- Windows 10 IoT or Android 6.0
- 8MP camera, WLAN, BT, GPS, GLONASS, Optional 4G LTE & 1D/2D barcode imager
- 1x USB Type C, NFC
- Android 7.0
- IP65 or IP68, 1.22m drop tested, operating temperature -30°C to 50°C
- Li-ion battery: 4090mAh.

CAT S61
The World's First Thermal Imaging Smartphone
- Super bright 5.2" FHD (1920x1080)
- Qualcomm Octa-Core 2.2GHz processor, 4GB RAM, 64GB Flash, MicroSD 128GB
- PDAF 16MP Camera with FLIR Thermal Camera
- Indoor Air Quality (VoC) sensor
- Laser Assisted Distance Measurement
- 4G LTE, WLAN, BT, GPS/GLONASS
- 1x USB Type C, NFC
- Android 6.0
- IP67, 1.5m drop tested, operating temperature -25°C to 50°C
- Li-ion battery: 4500mAh
- CATS31 & CATS41 available without Thermal Imager

Juniper Systems CP3
Rugged Android Smartphone
- High-visibility AMOLED 5.5" display (1080x1920)
- Qualcomm Snapdragon 653 Octa Core processor, 6GB RAM, 64GB Internal Storage
- WLAN 802.11a/b/g/n, Bluetooth v4.0, NFC, 4G LTE
- 16MP front facing camera, 12MP rear camera
- Android 7.1.2
- Li-ion battery: 6300mAh
- IP68, 1.5m drop resistant, MIL-STD-810G, operating temperature -30°C to 60°C

Handheld NAUTIZ X2
Rugged Mobility Optimised
- 4.7" IPS display (1280 x 720)
- 1.3GHz Quad Core ARM® Cortex-A53 processor, 2GB RAM, 16GB Flash, MicroSD
- 8MP camera with Flash LED, 1D/2D Barcode reader, optional LF RFID or pistol grip UHF RFID
- 4G LTE, WLAN Dual Band, BT, GPS/GLONASS, 1x MicroUSB
- Android 7.0 (64 bit)
- IP65, 1.22m drop tested, operating temperature -20°C to 50°C
- Li-ion battery: 3300mAh
Rugged Windows & Android Smartphones
www.ruggedmobilesystems.co.uk

Handheld NAUTIZ X9
Ultimate Outdoor Rugged PDA

- 5.0” capacitive display (1280x720)
- 1.3GHz Quad Core ARM Cortex processor, 2GB RAM, 16GB Flash, MicroSD
- AF 8MP Camera with Flash LED, 4G LTE, WLAN Dual Band, BT, GPS/GLONASS
- 1x MicroUSB, NFC, optional 2D imager
- Android 7.0 (GMS)
- IP67, 1.5m drop tested, operating temperature -20°C to 55°C
- MIL-STD-810G Certified
- Li-Ion battery: 4800mAh

Panasonic FZ-N1
Slim and lightweight handheld with barcode reader

- 4.7” HD (1280 x 720) display (650Nits)
- 2.3GHz Quad-Core processor, 2GB RAM, 16GB eMMC, MicroSDIC up to 64GB
- 8MP Camera with Flash LED, 4G LTE (Dual SIM), WLAN Dual Band, BT, GPS/GLONASS, NFC
- Android 6.0
- IP69, 1.8m drop tested, operating temperature -10°C to 50°C
- MIL-STD-810G Certified
- User replaceable Li-ion battery: 3200mAh or 6400mAh (warm swap function)

Panasonic FZ-T1
Fully featured, rugged 5” Android handheld

- 5” HD 10-point multi touch (1280x720) capacitive, daylight viewable display with glove & rain modes
- 1.1GHz Qualcomm Quad Core Processor, 2GB RAM, 16GB eMMC Storage
- 8MP Camera, WLAN, BT (Class 1), GPS, 4G/3G, NFC, optional 1D/2D barcode reader
- Android 8.1
- IP68, 1.5m drop tested, MIL-STD-810G, operating temperature -10°C to 50°C
- User replaceable Li-ion battery: 3,200mAh

Logic Instrument
Fieldbook F1B
Rugged, reliable handheld computer

- 6” FHD Touch panel (1920x1080) Corning Gorilla Glass 3
- 1.6GHz Octa Core Processor
- 2GB RAM, 16GB, Micro SD
- WLAN, BT, GPS, 4G LTE (Dual SIM)
- 1D/2D barcode imager, NFC
- Android 7.0
- P66, 1.2m drop tested, operating temperature -15°C to 55°C
- Li-ion battery: 4000mAh

CASIO IT-G400
Robust and long-lasting mobile Android computer

- 5” HD TFT LCD display (1280 x 720)
- 1.2GHz Quad Core ARM A53 Processor , 2GB RAM, 16GB ROM
- 8 MP Camera, WLAN, BT, GPS, 4G LTE, 1D/2D barcode reader, RFID, NFC
- Android 9.0 with GMS
- IP68, 1.5m drop tested, operating temperature -10°C to 55°C
- Li-ion Battery: 5800mAh

Zebra Xplore M60
Rugged, reliable handheld computer

- 6” FHD Touch panel (1280x1920) Wet & glove touch (650Nits) display
- 2.0GHz Octa Core Processor
- 4GB RAM, 32GB, Micro SD
- WLAN, BT, GPS, 4G LTE (Dual SIM)
- NFC, optional 1D/2D barcode reader
- 13MP camera, USB Type C
- Android 8.0
- IP68, 1.5m drop tested, operating temperature -20°C to 60°C
- Replaceable Li-ion battery (30.4Wh)

Janam XT2 & XT2+
Ultra-rugged 6.1” Android or Windows Smartphone

- 5.0” HD WXGA Capacitive touch display (1280 x 720)
- 1.2GHz Qualcomm processor, 1GB to 2GB RAM, 8GB to 16GB storage
- 8 MP Camera with AF and LED
- WLAN/Dual Band, BT, GPS/GLONASS, Optional 4G LTE
- Optional 1D/2D imager, SAM slot, MSR, HF RFID
- XT2: Android 5.1 or Windows 10 IoT
- XT2+: Android 6.0
- IP67, 1.5m drop tested, MIL-STD-810G, operating temperature -20°C to 60°C
- Li-Ion 3300mAh battery
CT50-Ex ATEX Zone 2/22 Windows or Android

CT50-Ex ATEX Rugged Mobile Computer for field mobility applications

- 4.8 inches High Definition (1280 x 720) bright white LCD with backlight, outdoor viewable, optically bonded to touch panel
- 2.26 GHz Qualcomm Snapdragon™ quad-core 801, 2GB RAM and 16GB Storage
- WLAN 802.11ac/b/g/n, Class 2 V4.0 Bluetooth, 4G LTE GNSS Receiver for GPS and GLONASS, 8MP Camera
- 2D imager and NFC
- Windows 10 IoT Professional
- IP67, 1.8m drop tested, operating temperature -20°C to 50°C
- ATEX Approvals: II 3G Ex ia IIC T4

Getac EX80 ATEX Zone 0/20

First ATEX Zone 0/20 fully rugged, highly versatile Windows tablet

- 8" IPS TFT LCD WXGA (1280x800)
- Intel Atom™ x5-Z8500 Processor 1.44GHz, 4GB RAM, 128GB eMMC storage
- 8MP auto focus rear camera with LED flash, WLAN, BT, Optional: 4G LTE mobile broadband HF RFID, Bluetooth (v4.0)
- Windows 10 Professional
- IP67, 1.8m drop tested, operating temperature -21°C to 50°C
- Li-ion smart battery: 4000mAh
- ATEX Approvals: Ex ii 1 GD, Ex ia op is IIC T135°C Da

Windows ATEX Certified Rugged Mobile Hardware

Panasonic FZ-G1 10.1" ATEX Zone 2, Windows 10 Tablet

Fully Rugged Industrial tablet

- 10.1" WXGA IPS LED (1366 x 768) capacitive touch, with Wacom digitiser pen input, display
- Intel Core i5-6200U or i7-6500U Processor, (optional vPro) Processors, 4GB to 8GB RAM, 128GB to 512GB SSD
- 8MP camera, WLAN, BT, optional 4G, GPS
- Windows 10 Professional
- IP66, 1.8m drop tested, MILS-STD-810G
- ATEX Zone 2 approval

XPAD-EX01/DZ2 11.6" ATEX Zone 2, Windows 10 Tablet

Fully Rugged yet Slim Windows Tablet PC

- 11.6" TFT LCD HD Capacitive Display (1366x768), optional 7300IT5
- Intel Broadwell i5 or i7 Processors, 4GB to 16GB RAM, 128GB to 512GB SSD
- 8MP rear camera, WLAN, BT (Class 1), optional 4G, GPS, Color of RFID, 1D/2D Imager barcode reader, or choice of ports
- Windows 10 Professional
- IP66, drop resistant, operating temperature -10°C to 55°C
- Li-ion battery: 4000mAh
- ATEX Zone 2/22 approval

Getac F110-Ex 11.6" ATEX Zone 2, Windows 10 Tablet

First ATEX IECEx Zone 2 Windows Tablet

- 11.6" TFT LCD HD Display (1280 x 800) with Getac QuadaClear sunlight readable technology
- 1.6GHz Intel Atom X7-Z8700 Processor, 4GB to 8GB RAM, 64GB to 128GB SSD
- 8MP rear camera, WLAN, BT, Class 1, optional 4G, GPS, Color of RFID, 1D/2D barcode reader
- Windows 10 Professional
- IP66, 1.8m drop tested, operating temperatures at -21°C to 50°C
- Li-ion battery: 4000mAh
- ATEX zone 2/22

Getac T800-Ex 8.1" ATEX Zone 2/22, Windows 10 Tablet

Fully Rugged Compact 8.1" tablet

First ATEX IECEx Zone 1 Windows tablet

- 10.1" AHVA (1920x1200) Full-HD Plus, capacitive multi-touch display (supports glove touch)
- 2.3GHz Intel Quad Core Processor, 4GB RAM, 128GB SSD Storage
- 8MP rear camera, WLAN, BT, GPS, NFC, Optional 4G-LTE
- Full size USB 2.0, Micro USB for charging, Micro SDXC slot (to 2TB)
- Windows 10 Professional (supports Windows 8.1)
- IP66, MIL-STD-810G, fm drop resistant
- ATEX Zone 1/21 approval
- Li-ion battery: 4040mAh

XPAD-EX01/DZ2 11.6" ATEX Zone 2, Windows 10 Tablet

First ATEX IECEx Zone 2 Windows Tablet

- 11.6" TFT LCD HD Display (1280 x 800) with Getac QuadaClear sunlight readable technology
- 1.6GHz Intel Atom X7-Z8700 Processor, 4GB to 8GB RAM, 64GB to 128GB SSD
- 8MP rear camera, WLAN, BT, Class 1, Optional 4G, GPS, 1D/2D barcode reader
- Windows 10 Professional
- IP66, 1.8m drop tested, operating temperatures at -21°C to 50°C
- Li-ion battery: 4000mAh
- ATEX zone 2/22

Getac EX80 ATEX Zone 0/20

First ATEX Zone 0/20 fully rugged, highly versatile Windows tablet

- 8" IPS TFT LCD WXGA (1280x800)
- Intel Atom™ x5-Z8500 Processor 1.44GHz, 4GB RAM, 128GB eMMC storage
- 8MP auto focus rear camera with LED flash, WLAN, BT, Optional: 4G LTE mobile broadband HF RFID, Bluetooth (v4.0)
- Windows 10 Professional
- IP67, 1.8m drop tested, operating temperature -21°C to 50°C
- Li-ion smart battery: 4000mAh
- ATEX Approvals: Ex ii 1 GD, Ex ia op is IIC T135°C Da

Windows ATEX Certified Rugged Mobile Hardware

Panasonic FZ-G1 10.1" ATEX Zone 2, Windows 10 Tablet

Fully Rugged Windows 10 Tablet

- 10.1" WXGA IPS LED (1366 x 768) capacitive touch, with Wacom digitiser pen input, display
- Intel Core i5-6200U or i7-6500U Processor, (optional vPro) Processors, 4GB to 8GB RAM, 128GB to 512GB SSD
- 8MP camera, WLAN, BT, optional 4G, GPS
- Windows 10 Professional
- IP66, 1.8m drop tested, MILS-STD-810G
- ATEX Zone 2 approval
## Android ATEX Certified Rugged Mobile Hardware

### CT50-Ex ATEX Zone 2/22 Windows or Android
- **CT50-Ex ATEX Rugged Mobile Computer** for field-mobility applications
  - 4.8 inches High Definition (1280 x 720) bright color LCD with backlight, outdoor viewable, optically bonded to touch panel
  - 2.26 GHz Qualcomm® Snapdragon™ quad-core 801, 2GB RAM and 16GB Storage
  - WLAN 802.11abgn/ac, Class 2 V4.0 Bluetooth, 4G LTE GNSS Receiver for GPS and GLONASS, 8MP Camera
  - 2D imager and NFC
  - Windows 10 IoT Mobile Enterprise or Android 6.0
  - Li-Ion, 3.6V, 4040mAh battery
  - IP67, 1.5m drop tested, Operating temperature -20°C to 50°C
  - ATEX Approvals: II 3G Ex ic IIC T4 Gc IP64

### Smart-Ex 01 ATEX Zone 1 & Smart-Ex-201 Zone 2 Android Smartphones
- **Ultra Rugged 4.0” ATEX Zone 1/21 & Zone 2/22 Android Smartphone**
  - 4.0” WVGA (800x480) Gorilla Glass 2, Blanview, outdoor viewable, capacitive multi-touch display
  - 1.2GHz Quad Core Processor, 1GB RAM and 8GB storage
  - BMP Rear Camera, WLAN, Bluetooth, GPS, NFC, 4G
  - Android 5.1 (Google Play)
  - IP68, operating temperature -20°C to 55°C
  - Li-Poly Battery: 3600mAh
  - ATEX Approvals: ATEX Zone 1 & Zone 2 models

### Intrinsically Safe iPad’s and iPhones - XCIEL ATEX Zone 2 Rugged Cases for iOS Tablets and Smartphones
- ATEX Zone 2 approved cases to enable the iPad and iPhone range of Tablets and Phones to be used in Zone 2 hazardous areas.
  - Available for iPad gen 4, iPad Air and iPad mini and iPad mini Retina
  - Available for iPhone 4s, 5, 5s, 6
  - IP67 sealed for outdoor usage
  - Includes rubber case with carry handle and harness plus screen cover flap (iPad only)
  - Allows use of device buttons and camera
  - Connects securely through Wi-Fi, 3G or 4G

### Getac ZX70-Ex ATEX Zone 2 Android Tablet
- **Fully Rugged 7” Android Tablet with glove-enabled touch screen**
  - 7” IPS TFT LCD (1280x720) sunlight readable capacitive touch screen with glove on
  - Intel Atom 1.44GHz Processor, 2GB to 4GB RAM, 32GB eMMC
  - BMP Camera, WLAN, Bluetooth, GPS, optional 4G LTE
  - Optional Barcode Reader, RFID/NFC combo reader, UHF RFID and RF pass-through antenna for GPS & 4G
  - IP68, 1.8m drop resistant, operating temperature -21°C to 50°C
  - Li-Poly Battery: 8,400 mAh (not user replaceable)
  - ATEX Approvals: ATEX Zone 2/22

### Tab-Ex 02 DZ2 ATEX Zone 2 Android Tablet
- **Lightweight 8” ATEX Zone 2 Android Tablet**
  - 8.0” TFT (1280x800) display
  - 1.2GHz Quad Core Processor, 3GB RAM and 16GB storage, optional MicroSD
  - 8MP Camera (with barcode scanner capability), WLAN, Bluetooth, NFC, optional 4G LTE
  - Android 6.0
  - IP67, Operating temperature -20°C to 55°C
  - Li-Poly Battery: 4450mAh (up to 8 hours battery life)
  - ATEX Approvals: ATEX Zone 2/22

### Tab-Ex 01 DZ1 ATEX Zone 1 Android Tablet
- **Lightweight 8” ATEX Zone 1 & Zone 2 Android Tablet**
  - 8.0” TFT (1280x800) display
  - 1.2GHz Quad Core Processor, 1.5GB RAM and 16GB storage, optional MicroSD
  - 3MP Camera (with barcode scanner capability), WLAN, Bluetooth, NFC, optional 4G
  - Android 7.1
  - IP67, Operating temperature -20°C to 55°C
  - Li-Poly Battery: 4450mAh (up to 8 hours battery life)
  - ATEX Approvals: ATEX Zone 1/21

### aegex10 IS 10.1” ATEX Zone 1, Android Tablet
- **Robust ATEX Zone 1 tablet**
  - 10.1” AHVA (1920 x 1200) Full HD Plus, capacitive multi-touch display (supports glove touch)
  - 2.3GHz Intel Quad Core Atom Processor, 4GB RAM, 1280GB SSD Storage
  - BMP rear camera, WLAN, BT, GPS, NFC, Optional 4G LTE
  - Full size USB 2.0, Micro USB for charging, Micro SDXC slot (to 2TB)
  - Android 5.1 (no GMS)
  - IP68, MIL-STD-810G, 1m drop resistant.
  - ATEX Zone 1/21 approval
Hardware Accessories

Fleet Management Systems

FMS1000
Telematics IoT Gateway – Fleet Management System for real-time remote diagnostics, vehicle tracking and driver performance analysis

- 1 x 10/100 Mbps Ethernet
- 3G WWAN, WLAN and GPS support
- 3x DI, 3x DO, 3x Analog in
- Rugged IP67 protection
- Back up rechargeable battery
- SMS message triggered by event
- 2 x CAN Bus 2.0B
- Driver identification support (Button & RFID)
- Support optional USB storage as data log

GPS Accessories

Juniper Systems Geode
Sub-meter Accuracy GPS Receiver

- Sub-metre accuracy – collect real time GNSS data on your existing device (open interface)
- Affordable professional accuracy. iOS, Android & Windows compatible.
- Simple to use. Lightweight (360g) & compact enough to carry at day
- All-day battery life (4,300mAh)
- Bluetooth (Class 1), Micro USB Client 2.0, Optional Serial RS232C DB-9
- Accuracy: SBAS: <100cm
- Operating Temp: -20°C to 60°C

Trimble PG200
Rugged, lightweight, and compact, the Trimble PG 200 can go wherever you go.

- User-friendly, Direct Thermal printers with 3" (ZQ500) or 4" (ZQ550) print width
- Choice of connectivity: WLAN, BT
- Printing speed: 127mm p/s, resolution 203 dpi
- 256MB RAM, 512MB Flash
- Rugged design IP54, MIL-STD-810 ruggedness with IP68 rating

Zebra ZQ500 Series Printers
Lightweight, compact printers build for extreme environments

- Direct Thermal label and receipt printers
- Range of 2", 3" & 4" models.
- 203dpi print resolution
- Choice of connectivity: USB, WLAN, Bluetooth.
- Option for LCD display
- 32MB of RAM, 32GB Flash
- IP54, 1.2m to 1.8m drop tested
- Brother PJ-6XX & 7XX series A4 printers also available

Printers

Brother RJ Series Mobile Printers
The RJ series mobile printers are fast, compact and very rugged, perfect for busy mobile workers out in the field.

- Direct Thermal label and receipt printers
- Range of 2", 3" & 4" models.
- 203dpi print resolution
- Choice of connectivity: USB, WLAN, Bluetooth.
- Option for LCD display
- 32MB of RAM, 32GB Flash
- IP54, 1.2m to 1.8m drop tested
- Brother RJ-9000 & 7XX series A4 printers also available

Bluetooth and WIFI Barcode/RFID Reader

Opticon PX-20
Small, lightweight, easy to set up cordless hand scanner

- Ultra compact, weight just 40g
- Up to 35hr battery life
- 2D scanning
- Bluetooth for real-time data transfer
- IP54, 1.8m drop resistant
- Compatibility: iOS, Android & Windows

Tectus MultiPen RFID & NFC Mobile Reader
Reads UIDs of passive RFID tags with different Frequency range combinations

- Reads LF 125kHz; LF 134.2kHz
- HF3K, HF & NFC 13.56MHz; and UHF 906MHz
- 1 to 3 cm Reading distance
- 4 rows OLED Display
- Tone and Vibration Feedback
- 1000 UIDs read / 2000 Bluetooth read
- Bluetooth read
- USB, HID, USB Host (Human Interface Device - keyboard wedge function sets the UID after reading directly at the place of cursor position in Microsoft Word™, Excel™ or similar software tools on Android™)
- ATEX certified version
- IP 54 certified. Temperature : 0°C to 60°C
- CE: APOLL-MP-LF / HF

PDAs with Integral Printers

CASIO IT-9000
All-In-One handheld printer terminal

- 3.7" TFT LCD VQA (640 x 480)
- Printing speed up to 28 lines per sec.
- WAN GPS for Outdoor use
- Built-In Magnetic Card reader and 2D Barcode reader, NFC, RFID
- Variety of expansion features as a USB Port, SD Card slot, BT
- 2MP camera with AF
- Windows Embedded Handheld 6.5
- IP54, 1.5m drop tested
- Operating temperature -20°C ± 5°C
- Li-ion battery pack for approx. 20h of use

Bluebird BIP-1500
Rugged All-In-One Handheld Computer with integral printer

- 3.5” QVGA or VGA Display
- Choice of 2” or 3” print width
- 806MHz PXA Processor; 256MB RAM, 512MB to 1GB ROM
- 3MP camera with autofocus, WLAN, BT, 3,80, A-GPS, 1D or 2D Barcode reader
- Windows Embedded, Handheld 6.5
- IP54, 1.5m drop tested
- Li-ion battery: 4,000mAh or 6,000mAh

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18
Hands Free Carrying Solutions

RUGGED MOBILE Systems source unique hands-free solutions that allow for use of mobile hardware over long periods on site or where users need their hands-free for another task.

We provide solutions for small handheld computing devices using the Sacci Belt Flip-up, and larger Tablet and Notebook PC’s using the Sacci Hook Shoulder Harness. Hands free solutions reduce carry strain, allow hands free usage, offer comfortable ergonomic designs and are ideal for long term usage.

RUGGED MOBILE Systems can assist with production of custom made holders and already offer hands-free carry solutions for the following devices:
- Panasonic Notebooks & Tablets;
- Getac Notebooks & Tablets;
- Handheld Tablets;
- Zebra Xplore XQ8 Tablet
- Trimble Ranger 3, Nomad & Recon PDAs
- Plus we have access to a range of generic mounts for a range of tablets & smartphones

To arrange custom build for your device please call or email us.

RUGGED MOBILE Systems Testimonials

EFFICIENT RESPONSE TO OUR ENQUIRIES

“RUGGED MOBILE Systems have been a supplier of Abtus Ltd for over 8 years. We initially engaged with them as a supplier of rugged PDAs and then as our requirements changed over time they have supplied us with rugged tablet PCs also. Throughout this time RUGGED MOBILE Systems have provided advice, access to demonstration units, competitive pricing and good post-sales support. One of RUGGED MOBILE Systems strengths is their efficient response to our enquiries”

SALES DIRECTOR
ABTUS LTD – APRIL 2018

FIRST CLASS ASSISTANCE

“At J Riley Beet Harvesters (UK) Ltd Ltd we were looking for a robust all-rounder phone for our engineers to use out in the field and RUGGED MOBILE Systems have been first class at assisting us with choosing the right phone, the CAT S41 – Siân and her team have given us the best service we could hope for – Thank you to you all”

JULIET RACHER
(ADMINISTRATOR) AT J RILEY BEET HARVESTERS (UK) LTD – AUGUST 2018

AN EXCELLENT FRIENDLY SERVICE

“As part of our ERP implementation we needed portable IP rated devices for use within our factory and warehouses. We had strict requirements which Siân matched with a few of their products, this was then followed up with test units to make our final decision. An excellent friendly service from start to finish, backed up with the knowledge of requirements for our industry that made our lives so much simpler. I can highly recommend RUGGED MOBILE Systems!”

TIM SNELSON
(IT PROJECT MANAGER) AT BLUE SKY BOTANICS – APRIL 2018