ALGIZ 10XR

Ultimate field performance

Advances in technology are great – especially when they have practical uses for the people using them. The new Algiz 10XR rugged Windows tablet harnesses the power of today's technology to deliver significant improvements for rugged mobile computing. It breaks new ground in tech, so you can break new ground in your work.

This is a big step up

We're not adding some fancy function you'll never use, or an incrementally tiny improvement; we're delivering advances you'll notice and appreciate every day. Like up to two times better graphics and measurably faster performance. It is a smaller, lighter, 10-inch Windows tablet that achieves more even while taking up less space. The Algiz 10XR's Intel Elkhart Lake platform really packs a punch.

The technology to be truly versatile

The possible applications for the Algiz 10XR rugged Windows tablet are nearly endless. We've included a dedicated u-blox receiver and chipset, and long-lasting, hot-swappable batteries. Future-proof 5G communication can handle live video streams and bandwidth-heavy tasks like mapping. An amazingly bright screen features glove/rain mode so it's ready to go when the weather gets harsh. There are three separate USB-C ports, and optional integrated NFC.

Designed for any mobile or vehicle-mounted application

Public transport or waste management, GIS or mining; ambulances or logistics and yard work; a hundred different mobile or vehicle-mounted applications – the Algiz 10XR rugged Windows tablet was designed for modulization and customization. The u-blox functionality offers untethered dead reckoning (UDR) by blending GNSS signals and inertial sensors to provide accurate positioning performance under even weak GNSS conditions.

Ready to go beyond the basics

Wait – there's more. There's an integrated barcode scanner option for asset tracking, plus a broad ecosystem of accessories like carry cases, pole mounts and more. The Algiz 10XR rugged Windows tablet is designed to go above and beyond, out in the field. It has a vehicle dock with antenna pass-through for both GPS and Wi-Fi – providing optimal signal quality at all times. Plus, the Algiz 10XR has a unique "backpack" configuration to allow for customized, proprietary add-ons.

Don't forget what "ultra-rugged" means

With Handheld rugged computers like the Algiz 10XR, you can stop asking "Is it OK to…?" Work in extreme heat or in dusty spaces, or go jouncing down a dirt track in a pickup truck. The IP65 rating means it's "hurricane-proof," impervious to dust and driving rain, able to withstand drops and vibrations, and far beyond the capability and lifespan of a consumer device – and therefore a more sustainable choice for your work.

handheld

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Dimensions

282 mm x 182 mm x 26 mm (11.1" x 7.1" x 1")

Weight

1250 g (2.7 lbs)

Processor

Intel Elkhart lake
Atom® x6413E 1.50 GHz (3.00 GHz boost)
64-bit quad-core

Graphics

Intel® UHD Graphics for 10th Gen Intel® Processors

RAM and Storage

8 GB / 128 GB

Operating System

Windows® 10 Enterprise LTSC (64bit)

Display

10.1" capacitive multi-touch (10 points)
1920×1200 pixels
Sunlight readable, 850 Nits
Glove/rain mode
Chemically strengthened glass

Buttons

Front
Power, touch mode, menu, home, F1, F2

Battery

Standard
11.55V 3520 mAh (40.66 Wh)
Hot-swappable

Extended
10.8V 6700mAh (72.4 Wh)
Hot-swappable

Ports

5.5mm DC-in barrel power jack
1 x USB C 3.0 Support charging and display port
1 x USB C 3.0 output 5V/3A
1 x USB A 3.0
Docking connector
1x micro SDXC
1x micro SIM

Communication

Cellular (WWAN)
5G, 4G/LTE
Sierra Wireless EM9191

Wireless LAN
2.4 GHz + 5 GHz
802.11ac, a/b/g/n

PAN
BT V5.0

Audio
Front-facing stereo speaker
Microphone

Positioning

Dedicated GNSS u-blox NEO-M8U receiver
GPS/GLONASS/Galileo/BeiDou, SBAS

Cameras

Rear
12 megapixel with autofocus and flash

Front
5 megapixel

Sensors

9-axis sensor (Gyro, Accelerometer, magnetometer)
Light sensor to automatically adjust backlight

Environment

Operating
-20°C to 60°C (-4°F to 140°F)
MIL-STD-810G, Method 501.5/502.5 Procedures ll,lll

Storage
-40°C to 70°C (-40°F to 158°F)
MIL-STD-810G, Method 501.5/502.5 Procedure l

Drop / Shock
26 drops from 1.2 m (4 ft)
MIL-STD-810G, Method 516.6 Procedure IV

Vibration
MIL-STD-810G, Method 514.6 Procedure I

Sand / Dust
IP65, IEC 60529

Water
IP65, IEC 60529

Humidity
MIL-STD-810G, Method 507.5 Procedure II

Altitude
4572 m (15.000 ft.)
MIL-STD-810G, Method 500.5 Procedure I

Additional Security

TPM v2.0

Options

For options and accessories, please see
www.handheldgroup.com/algiz-10xr

handheld