ALGIZ 8X

PORTABLE AND POWERFUL FIELD COMPUTING

handheld
www.handheldgroup.com

ALGIZ 8X

PORTABLE AND POWERFUL FIELD COMPUTING

The ultra-mobile Algiz 8X rugged tablet combines powerful computing with ultimate reliability in the toughest environments. It offers fast processing power along with user-friendly features and design, maximizing your efficiency on long days in the field. The Algiz 8X is powered by a speedy Intel® Pentium processor with plenty of RAM and storage.

A compact, take-anywhere tablet

The Algiz 8X's compact size makes it the perfect companion for today's mobile field workers. It's only 24 mm thick and weighs less than a kilo, including the powerhouse battery. Along with sleek design, the Algiz 8X offers snappy performance and can withstand harsh handling and tough outdoor and industrial environments, from mining to maintenance.

Full ruggedness for the field user

The Algiz 8X is IP65-rated and meets stringent MIL-STD-810G military standards for protection against dust, water, vibrations, drops, extreme temperatures and varying altitudes. It transitions seamlessly from the office to the field and back again, making field computing easy and keeping your information safe.

A brilliant display in every environment

With its bright, 8-inch capacitive touchscreen made of chemically strengthened glass, the Algiz 8X comes ready to display your work, indoors and out. It supports rain mode, glove mode and active pen mode for flexibility in challenging and changing conditions. And moving between work environments is no problem, thanks to an ambient light sensor that adjusts backlighting automatically.

Feature-rich and field-ready

The Algiz 8X facilitates easy data capture with a range of convenient features. It has front- and rear-facing cameras, plus a hot-swappable battery pack. An integrated u-blox® NEOM8U GPS/GLONASS receiver provides robust GIS capabilities. The rugged Algiz 8X pairs with other industry-specific technology via several port types, and multiple communications capabilities keep your team connected.

Configure and accessorize the Algiz 8X to work for you

Customizable options for Ethernet, serial (UART) or barcode reading allow the Algiz 8X to conform to your specific requirements. For developers, the Algiz 8X goes even farther — docking pins and a specialized "backpack" mean that your team can customize additional capabilities and proprietary creations. Vehicle cradles and mounts, multi-slot chargers and multiple carrying cases allow you to outfit your team for maximum efficiency.

With a full range of features and built rugged from the inside out, the powerful, compact Algiz 8X offers an ideal compact tablet solution at an excellent value for today's field professionals.

Dimensions	225 mm x 147 mm x 24 mm (8.8" x 5.7" x 0.9")
Weight	990 g (2.18 lbs)
Processor	Intel® Pentium® N3710 1.60 GHz (2.56 GHz boost) 64-bit quad-core
Graphics	Intel HD Graphics 405
RAM & Storage	4 or 8 GB /128 GB
Operating System	Windows 10 Enterprise (64-bit)
Display	8" capacitive multi-touch 1280x800 pixels Sunlight readable, 600 nits Glove/rain mode Chemically strengthened glass
Buttons	Power, lock/touch mode, menu, home, F1, F2
Battery	
Standard:	7.6V 5900 mAh (44.84Wh), hot-swappable
Extended:	7.2V 10350 mAh (74.52Wh), hot-swappable
Ports	DC power jack 2x USB A 3.0 Micro HDMI Docking connector Back connector for expandability Side expansions 1x micro SDXC 1x micro SIM
Expansion	RJ45 RS232, RS422, RS485 CAN bus Barcode imager Backpack expansions
Communication	
Cellular (WWAN):	2G, 3G, 4G/LTE, Verizon LTE Sierra EM7355 (NA. M.2 Type) Sierra EM7305 (EU. M.2 Type) Sierra EM7455 (Verizon. M.2 Type)
Wireless LAN:	2.4GHz/5GHz 802.11 ac, a/b/g/n
PAN:	BT V4.2
Audio:	Front-facing speaker Microphone
Positioning	Dedicated u-blox GNSS receiver GPS/GLONASS/Galileo/BeiDou
Cameras	
Rear:	8 megapixel with auto-focus and flash
Front:	2 megapixel
Sensors	Ambient light
Environment	
Operating:	-20 °C to 60 °C (-4 °F to 140 °F) MIL-STD-810G, Method 501.5 Procedure II
Storage:	-40 °C to 70 °C (-40 °F to 158 °F) MIL-STD-810G, Method 501.5/502.5 Procedure I
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 Procedures I, II
Sand & Dust:	IP65, IEC 60529
Water:	IP65, IEC 60529
Humidity:	0% ~ 95% (non-condensing) 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-8x

handheld

www.handheldgroup.com