ALGIZ 8X

PORTABLE AND POWERFUL FIELD COMPUTING

handheld

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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® NEOM8N 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.

Size	225 mm x 147 mm x 24 mm (8.8" x 5.7" x 0.9")
Weight	990 g (2.18 lbs) (including battery)
Processor	Intel® Pentium® Processor N3710 (2M Cache, up to 2.40 GHz)
Memory/Disk	4 GB DDR3L RAM/128 GB SSD
Operating System	Windows 10 Enterprise CBB (64-bit)
Data Security	TPM V1.2
Screen	8" Capacitive Touchscreen with chemically strengthened glass. • 600+ Nits • Rain Mode and Glove mode • Supporting active pen • Resolution: 1280x800
Keypad	Power, Touchscreen mode, Menu, Home, F1, F2
Battery	Hot-swappable lithium-ion battery pack. Standard: 5200 mAh (39.52 Wh), 7.6V Extended: 10350 mAh (74.52 Wh), 7.2V
Connections	• 1 x DC power port • 2 x USB Host 3.0 Type A • 1 x Micro HDMI • Micro SDXC • Micro SIM
Docking Connector	• Charging • GPS antenna pass-through • WWAN antenna pass-through • Multipurpose docking connector
Expansion	Interchangeable ports with following capabilities (all individual ports): • Dummy (Default) • LAN port • COM port (Serial, UART Only) • Barcode reader
Communication	
Audio:	Speaker
PAN:	Integrated BT v4.2 LE
Cellular (WWAN):	2G, 3G, 4G/LTE Sierra EM7355 (NA. M.2 Type) Sierra EM7305 (EU. M.2 Type)
Wireless LAN:	802.11 ac, a/b/g/n 2.4 GHz and 5 GHz
Navigation	Integrated u-blox® GPS/GLONASS (NEO-M8N)
Camera	Rear facing: 8 megapixel with autofocus and LED flash. Front facing: 2 megapixel
Indicators	• Power status • Battery/Charging status • SSD status
Sensors	Light sensor
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:	26 drops from 1.22 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, IEC60529
Humidity:	0 ~ 95% (non-condensing) MIL-STD-810G, Method 507.5
Altitude:	4572 m (15.000 ft) MIL-STD-810G, Method 500.5 Procedure I
Included Accessories	Standard battery, ac-adapter
Options	Lockable Vehicle dock, Active pen, Carry case, Extended battery, Screen protector, Shoulder strap, Handstrap, Pole Mount, Desktop cradle

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