Datasheet 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.

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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 and Storage
8 GB / 128 GB

Operating System
Windows 10 Enterprise (64-bit)

Display
8″ capacitive multi-touch
1280×800 pixels
Sunlight readable, 600 nits
Glove/rain mode
Chemically strengthened glass

Buttons
Front
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 autofocus 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
TMP V2.0

Options
For options and accessories, please see www.nordalp.com/en/products/algiz-8x