



# 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.

# ALGIZ 8X

Version 1.9

## 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

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

### 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.handheldgroup.com/algiz-8x](http://www.handheldgroup.com/algiz-8x)



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