

ALGIZ 10XR

Ultimate field performance



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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 modularization 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.

Dimensions	282 mm x 182 mm x 26 mm
Weight	1.250g
Processor	Intel Elkhart Lake, Atom® x6413E 1.50 GHz (3.00 GHz boost)
Graphics	Intel® UHD Graphics for 10. Gen. Intel® Prozessors
RAM and Storage	8 GB / 128 GB
Operating System	Windows® 10 Enterprise LTSC (64 bit)
Display	10.1" capacitive multi-touch 1.920 x 1.200 pixels Sunlight readable 850 Nits Glove/rain mode Chemically strengthened glass
Buttons	
Front	Power, touch mode, menu, home F1, F2
Battery	11.55V, 3.520 mAh (40.66 Wh) Hot-swappable
Ports	5.5 mm DC-in barrel power jack 1x USB C 3.0 Support charging and display port 1x USB C 3.0 output 5V/3A USB 1x USB A 2.0 Docking connector 1x micro SDXC 1x micro SIM
Communication	
Cellular (WWAN)	5G, 4G/LTE Sierra Wireless EM9191
Wireless WLAN	2.4 GHz and 5GHz 802.11a/b/g/n/ac
PAN	BT V5.0
Audio	Front-facing stereo speaker Microphone
Positioning	Dedicated GNSS u-blox NEO-M8U receiver GPS/GLONASS/Galileo/BeiDou, SBAS
Camera	
Front	5 megapixel
Rear	12 megapixel with autofocus and flash
Sensors	9-axis sensor (Gyro, accelerometer, magnetometer) Light sensor für automatically adjust backlight
Environment	
Operating	-20°C bis 60°C MIL-STD-810G, Method 501.5/502.5 Procedures II, III
Storage	-40°C to 70°C MIL-STD-810G, Method 501.5/502.5 Procedure I
Drop / Shock	26 drops from 1,2 m 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
Attitude	4.572 m MIL-STD-810G, Method 500.5 Procedure I
Options	Options and accessories on request

Version 1.1

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