



# allegro™

Allegro MX with GPS



## Rock Solid, Field Ready

The Allegro MX with GPS features everything you have come to love about the industry standard Allegro, now with the accuracy of real-time SBAS GPS. The 2–5 meter accuracy GPS receiver is fully integrated, all while maintaining the ultra-rugged design of the Allegro MX, and of course, the Juniper Rugged™ reputation.



# Allegro MX with GPS

## Juniper Rugged™

Ruggedness is never compromised when it comes to Juniper Systems rugged handhelds, and that is proven by the Allegro MX with GPS. The Allegro MX maintains its IP67 rating with an integrated GPS receiver, designed to withstand impact and minimize snags in heavy brush, plus its high-gain helical antenna ensures superior GPS performance. The Allegro MX with GPS also includes a GPS software configuration utility to use with ESRI ArcPad®, MIDAS, LandMark Mobile™, and many other mapping software applications.

## Business Partnerships Welcome

Juniper Systems seeks to establish strong relationships with companies offering total solutions. We offer high quality handheld computer products with long-term reliability, excellent customer service, and product customization. If you are looking for a rugged, reliable mobile computer for your solution and a long-term business partner, call us today.



Natural Resources

| Forestry

| GPS Mapping

| Fisheries

| Agriculture

## specifications

### Processor

- 624Mhz PXA270 processor

### Operating System and Software

- Windows Mobile® 6.1 Classic
- Microsoft® Office Mobile
- Multiple languages available

### Memory and Data Storage

- 128MB RAM
- 1GB or 2GB internal storage options
- PCMCIA slot, Type I or Type II 16-bit
- MicroSD/SDHC slot

### Display Options

- Color Display
- 3.8" (96mm) QVGA (320 x 240) daylight readable transfective color LCD
- Monochrome Display
- 4.1" (104mm) QVGA (320 x 240) high visibility monochrome LCD
- Display heater for cold extremes

### Keyboard

- 62-key full alpha and numeric keyboard
- Large keys color coordinated by function
- Dual purpose Windows Mobile® or application function keys
- Removable keyboard bezel for easy cleaning

### Ports

- Full size USB Host – A
- Mini USB Client – B
- Com 1, RS-232C 9-pin subD with 5VDC on DTR pin
- 12VDC power in, 10-18V unregulated

### Physical

- Size: 10" H x 5.25" W x 2.9" D (256mm x 133mm x 74mm)
- Weight 1.8 lbs (840g)
- Multiple strap attachment points

### Environmental

- IP67 waterproof and dustproof
- Operating temperature -22F to 130F (-30 to 54C)
- Storage temperature -30F to 140F (-35 to 60C)
- Tested to MIL-STD 810F for water, humidity, sand and dust, vibration, altitude, shock, temperature

### Power

- Rechargeable 4000mAh NiMH battery
- Run time is 10 to 20 hours depending on use
- Fully charged in 4 hours
- Real Time Clock

### Wireless Connectivity Options

- Bluetooth® wireless technology 2.0+EDR, Class 1
- 802.11b/g US and International Wi-Fi options

### AMXU GPS Receiver\*

- Ublox 50 channel GPS, L1 frequency, C/A Code
- Time To First Fix: <1 second (hot start); <32 sec. (Cold start)
- Sensitivity: -160dBm
- Accuracy: Autonomous <2.5m; SBAS <2m
- Update Rate: 1Hz (1 second)
- Velocity & Heading accuracy: 0.1m/sec
- Includes AMXU GPS Setup Utility

### Certifications and Standards

- FCC Class B
- CE Mark
- EN60950
- RoHS compliant

### Standard Accessories

- 4000 mAh NiMH battery
- Stylus – pen and mini
- 100-240V AC power supply US plug
- Documentation CDs
- USB sync cable
- Hand strap and shoulder strap

### Optional Accessories

- USB/Power Dock
- 12VDC vehicle charger
- International charger kit includes US, EU, Australia, UK plugs

### Patents

- US 6,421,234 B1 Handheld Electronics Device Having Ergonomic Features
- US 6,407,911 B1 Sealed Portable Electronics Device Having Expansion Port
- US 6,488,425 B1 Keypad & Removable Bezel

\*GPS accuracy depends on multipath environment, antenna orientation, number of satellites in view, satellite geometry, and ionospheric activity

