allegro²™

Descending from a long line of trusted rugged handhelds, outstanding quality and unsurpassed ruggedness are in the Allegro 2's genes. Designed for the data-intensive, every aspect of the Allegro 2 was carefully engineered to provide the ultimate in productivity and efficiency. The following specifications are just the tip of the iceberg.

PROCESSOR
- 1.0 GHz ARM Cortex A8 i.MX53 processor

OPERATING SYSTEM AND SOFTWARE
- Microsoft® Windows Embedded Handheld 6.5.3
- Microsoft Office Mobile 2010* (Word Mobile, Excel Mobile, PowerPoint Mobile, SharePoint Workspace Mobile, OneNote Mobile, Contacts, Calendar & Email)
- Multiple languages (English, French, Spanish, German, Portuguese)
- Adobe Reader® LE

MEMORY AND DATA STORAGE
- 512 MB RAM
- 8 GB flash storage
- User-accessible micro SD/SDHC slot

DISPLAY
- Active viewing area: 4.2 inch (107 mm) VGA LCD TFT (640 x 480) Landscape Display
- High-visibility backlit LCD

TOUCHSCREEN
- Projected capacitive touch interface
- Chemically-strengthened glass
- Scratch-resistant screen

KEYBOARD
- Full numeric and QWERTY keypad with user-assignable keys
- Adjustable backlit keys
- JS Power Keys Shortcuts
- OEM configurable/customizable

PORTS
- COM1, RS-232C 9-pin D connector with 5VDC power output on pin 9 software-enabled
- USB host (Full A), USB client (Micro B)
- 12, 24VDC input, 10-36V unregulated
- 3.5 mm audio jack, supports speaker/microphone or stereo output (pin detect)
- I/O module OEM configurable/customizable
- IO docking ports for charging, USB port connector protector

BATTERY
- Intelligent Li-Ion battery 3.7VDC @ 10600 mAh, 38.7 Whr
- Operates 20 hours or more on one charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimized for excellent performance in cold temperatures

PHYSICAL
- Size, Standard models: 5.4" w x 10.2" l x 1.6" d (138 mm x 256 mm x 40 mm)
- Weight: 2 lbs (908 g), with battery
- Durable hardened plastic in a shear-proof and shock-resistant design
- Strong chemical resistance
- Comfortable, wide hand strap
- Easy-to-grip, impact-absorbing bumpers
- OEM customizable expansion area

JUNIPER RUGGED™
- IP68 waterproof and dustproof
- Operating temperature: –22 F to 140 F (–30 C to 60 C)
- Storage temperature: –22 F to 158 F (–30 C to 70 C) Note: Bluetooth® wireless technology is rated to –4 F (–20 C)
- Shockproof: multiple drops from 4' (1.22 m) onto concrete
- MIL-STD-810G test procedures: Method 500.5 Low Pressure (Altitude); Method 501.5 High Temperature; Method 502.5 Low Temperature; Method 503.5 Temperature Shock; Method 506.5 Rain; Method 507.5 Humidity; Method 510.5 Sand and Dust; Method 512.5 Immersion; Method 514.6 Vibration; Method 516.6 Shock

WIRELESS CONNECTIVITY OPTIONS
- Bluetooth® wireless technology, 2.1 +EDR, Class 1.5, range greater than 100 feet (30 m)
- Wi-Fi® 802.11b/g/n with extended range
- 3.75G modem - Pentaband Worldwide (Geo 3G model only)
- Frequencies: HSPA+/UMTS: 800/850/900/1800/1900/2100MHz
- Data communication interface

CAMERA (GEO MODELS)
- 5 MP resolution with autofocus and LED illuminator + video capture
- Juniper Geotagging™: embed and emboss photo with date, time, and GPS position

GPS/GNSS (GEO MODELS)
- High-sensitivity GPS/GLONASS/SBAS receiver
- User settings for enhanced performance under canopy
- Accuracy: SBAS 2 meters; autonomous 5 meters
- NMEA and BINR output
- 32 channel all-in-view tracking
- JSNav GNSS positioning and navigation app

CERTIFICATIONS AND STANDARDS
- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety

STANDARD ACCESSORIES
- 10600 mAh battery
- AC wall charger with international plug kit
- Micro USB client sync cable
- Quick Start Guide
- Adjustable hand strap
- Shipping box
- Screwdriver
- Stylus with tether
- 2-year warranty

OPTIONAL ACCESSORIES
- A2 Single Ethernet Dock: provides power/charging, USB client sync, and 10/100 Base-T Ethernet interface
- 12VDC Vehicle Charging Cable
- Replacement Stylus Kit
- Holster Case

Single and Multi-year extended service plans are available.

*Not included on OEM programs

JUNIPER®
systems