Not bigger. Just badder.

Lightning-fast processor. Powerful Android operating system. Full alphanumeric keypad. And that's just the start. Designed with the same time-tested ergonomics, ruggedness, and display of the successful Allegro 2, the Allegro 3 emerges as the most powerful Allegro yet.

Features

Powerful functionality

Powered by a lightning-fast ARM Cortex processor, the Allegro 3 touts impressive speed all day long.

Established mobile operating system

The Allegro 3 runs an Android 7.1 operating system, providing a compatible platform with popular data collection applications.

Full alphanumeric keypad

Ergonomically designed for all-day use, the Allegro 3 features a full alphanumeric keypad ideal for rapid data entry.

Built Juniper Rugged™

Of course, the Allegro 3 is built with the same IP68 Juniper Rugged design so rain, cool temperatures, or dust won't stop you.

JUNIPER® systems

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allegro³™

Designed for use in land survey, forestry, meter reading/install, and more, the Allegro 3 Rugged Handheld takes its place as the most powerful rugged handheld of its kind.

SYSTEM
- Operating system: Android 7.1 AOSP
- Processor: 1.2GHz quad-core ARM Cortex A9 i.MX6
- Languages: English, French, Spanish, German, Portuguese

MEMORY AND DATA STORAGE
- 2 GB RAM
- 16 GB flash storage
- User-accessible micro SD/SDXC 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
- Alphanumeric keypad with user-assignable keys
- Adjustable backlit keys
- JS Power Keys Shortcuts
- OEM configurable/customizable

JUNIPER RUGGED™
- IP68 waterproof and dustproof (1.4m for 30 min)
- Operating temperature: –22 F to 140 F (–30 C to 60 C)
- Storage temperature: –22 F to 158 F (–30 C to 70 C)
- Shockproof: multiple drops from 4' (1.22 m) onto concrete
- Designed to meet 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

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 configurablev/customizable
- IO docking ports for charging, USB port connector protector

BATTERY
- Intelligent Li-Ion battery 3.6VDC @ 12000 mAh, 43.2 Whr
- Operates up to 20 hours on one charge
- Charges in 5.5 hours typical
- Battery easily changeable in field
- Optimized for 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

WIRELESS CONNECTIVITY OPTIONS
- Bluetooth® wireless technology, 4.2 BR/BDR/BLE "Smart Ready," Class 1.5, range greater than 100 feet (30 m)
- Wi-Fi® 802.11b/g/n with extended range
- 4G LTE CAT-4/3G-fallback
- LTE frequency bands: NA 2, 4, 5, 12, EU 1, 3, 7, 8, 20, 28, and AU 1, 3, 5, 7, 8, 28

GPS/GNSS (GEO MODELS)
- High-sensitivity GPS, GLONASS, Galileo, BeiDou, QZSS, SBAS receiver
- User settings for enhanced performance under canopy
- Accuracy: SBAS 2 meters; autonomous 5 meters
- Concurrent GNSS constellation resolution
- NMEA-0183 ver. 4.0 out
- 72-channel u-blox M8 engine

CAMERA (GEO MODELS)
- 5 MP resolution with autofocus and LED illuminator + video capture
- Embed photo with date, time, and GPS position

CERTIFICATIONS AND STANDARDS
- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950/EN62368 Safety

STANDARD ACCESSORIES
- 12000 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.

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JUNIPER® systems

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