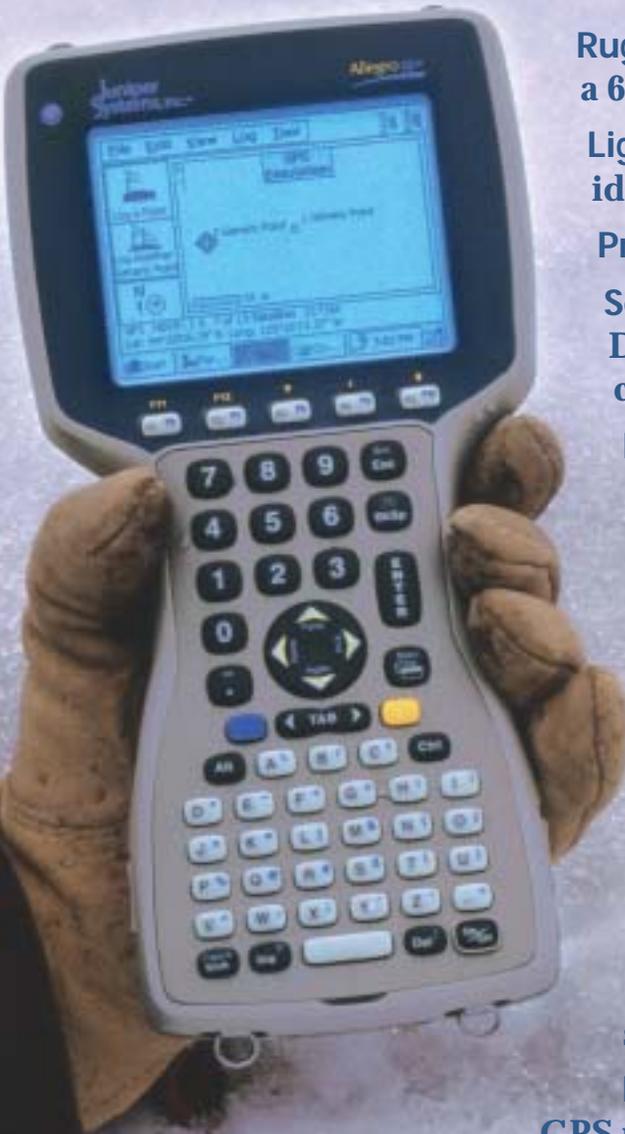


Introducing the New Allegro CE™ into our Family of Rugged Field PCs



Rugged, Waterproof: Withstands a 5 foot drop and a 6 foot submersion test.

Lightweight, Ergonomic Design: Easy to hold, ideal for field use.

Processor: Intel StrongARM, 206 MHz

Secure Data: Stored on a secure solid state disk. Data are safe even without power. PC memory cards can be used for additional storage.

Large Keyboard: Makes data entry fast and accurate. You can use gloves.

Rechargeable Battery: Long operating life, readily available.

Large Display: New 1/4 VGA with non-glare touchscreen. Larger than standard Pocket PC style display, making standard applications easier to see.

Operating System: Windows CE 3.0.

Full Software Suite: Applications available for Windows CE.

Communication Ports: Two Standard RS-232 serial ports, USB, IR.

Expandable: Integrate a network card, modem, GPS receiver, or bar code scanner.

Customer Support: We provide excellent personal support to you.

Use the Allegro CE for all of your field data collection applications. It will meet your needs for many years to come. It's an investment you will not regret.

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Allegro CE Specifications

Processor

- Intel StrongARM SA1110 processor, 206 MHz

Operating System

- Microsoft Windows CE® 3.0, loaded from an internal compact flash card into RAM for the highest execution speed possible

Programs (for Allegro CE and PC)

- Desktop PC: Microsoft ActiveSync®
- Allegro Suite: PTab™ Spreadsheet, Calculator, Microsoft Windows Explorer®, Microsoft InBox® Email, Microsoft Pocket Internet Explorer®, and Microsoft Pocket Word®

Physical Specifications

- Size: 10" high x 5.25" wide at display x 3.1" wide at narrowest point x 1.5" deep (256 mm x 133 mm x 79 mm x 38 mm)
- Weight: 1.84 lbs or 29.5 oz (836 grams)
- Operating Temperature: -22 to 130° F (-30 to 54° C)
- Storage Temperature: -30 to 140° F (-35 to 60° C)
- Waterproof: Passes MIL-810E-512.3 and IP67 leak (immersion) tests. To pass these tests, the Allegro CE is submerged under 6 feet (2 meters) of water for 2 hours
- Shockproof: Passes MIL-810E-512.4 shock (drop) test. To pass this test, the Allegro CE is dropped on each face and corner from 5 feet (1.52 m) onto 2 inches (5.08 cm) of plywood backed by concrete

Communication Ports

- Cradle: Communication docking cradle is available with charging and USB connection, Can be chained through communication hub
- COM 1 Sealed 9-pin D, filtered for EMI, Full modem control signals, 5V @ 200 mA available on DTR pin, controlled by DTR
- COM 2 Sealed 9-pin D, filtered for EMI, RTS, CTS modem control signal only
- COM 3 Internal expansion bus connections, Full modem control signals, Signal levels 0 to 3.3V straight out of UART, No buffering, Ring signal causes unit to resume from a suspend state

Additional Ports

- USB port connection on base of unit to be used with cradle
- Infrared port will operate both Fast IrDA mode (4 M bits/sec) and Slow IrDA mode (115 K bits/sec)
- Expansion port containing Low 3 address bus signals, Low 8 bit data bus, Bus control signals, and COM 3 signals

Display

- High visibility LCD with paperwhite-like background and 10 micron pixel spacing, Black on white
- 1/4 VGA sized, 320 x 240 pixels
- LCD has an LED backlight with adjustable brightness capability for visibility in low lighting or changing light conditions
- Automatic contrast adjustment for temperature compensation
- Display heater for operation in cold environments, Can be set to turn on automatically when temperature is below -3° C
- LCD has extended temperature range to work better in cold or heat
- Active viewing area: 3.3" wide x 2.5" high (4.1" diagonal), Larger than standard Pocket PC size
- Touchscreen includes two onboard mini styli and a full size stylus
- Touchscreen Disable button allows you to clean the screen or operate unit in heavy rain
- Touchscreen transmissivity of 84%, Non-reflective

Status Tray Indicators

- Indicators shown in the lower right corner of the CE screen in the status tray include:
 - Compact Flash card activity
 - Caps lock on
 - PC card activity
 - External power input
 - Charging indicator
 - Remaining battery charge

Keyboard

- 62 large keys for use with gloved hands with a separate on/off key
- 12 Function keys located directly under the display; convenient for use in applications as soft keys
- Special keys include: Windows Start, Task Manager, Contrast Adjustment, Touchscreen Disable, Display back light on/off, Reset
- Large round cursor control button
- Unshifted forward and backward tab keys
- Numeric keys are large and centrally located
- All printable ASCII characters are on the keyboard
- Keys have a snappy tactile feel

Case Design

- Ergonomic with balanced weight distribution
- Rugged, 100% sealed against water and dust
- The Allegro CE floats
- Designed for one-handed operation (right or left)
- Rings at all 4 corners of the case for straps
- Adjustable hand strap and shoulder strap
- Multiple strap orientations possible

Memory/Storage

- 32MB, 64MB, or 128MB SDRAM
- Compact Flash solid state disk drive with 32MB, 64MB, 128MB, or 256MB, Factory installed, Non-removable
- 256KB Flash EPROM for Windows CE boot loader

PC Card Slot

- User-accessible, Cards are user-removeable
- 16 bit PC Card, User removable (not 32 bit Card Bus type cards)
- Accepts Type I or II 3V/5V PC cards (does not accept 3V only cards)
- Compatible with ATA Flash, Micro Hard Disk, SRAM, Modems, Wireless networking cards, and other I/O cards
- Compact Flash card adapter is available

Power

- Rechargeable 3.6V 3800 mAHr NiMH high capacity battery pack (Sharp camcorder battery)
- NiMH batteries last 12 to 20 hours depending on the application (maximum continuous use is 30 hours)
- Alkaline battery holder uses 3 AA alkaline cells (optional accessory)
- Power manager automatically switches unit into low power mode for optimum efficiency
- Separate power input connector for charging and direct power input, 5.5 x 2.1 mm, 10-20 V DC, Vehicle charger is available
- Rapid internal smart-charging in 3 to 5 hours; automatic switch to trickle charge mode to preserve charge and protect battery

Sound

- Screen taps, Key beeps
- Plays WAV files

Clock

- Internal battery-backed real time clock
- +/- 3 minutes per month accuracy

Certifications

- FCC Class A
- European CE Mark

Expandability

- GPS expansion pod available now
- Custom expansion pods allow you to integrate additional components as they become available. Options include an RF network, animal ID reader, bar code scanner, GPS receiver, parallel port, and analog sensor input. Expansion pods replace the PC card door and are sealed.