

Introducing the Allegro CE Field Computer

Rugged · Waterproof · Versatile · Reliable

Juniper Systems, Inc. is pleased to offer the Allegro CE, a strong addition to our line of rugged, waterproof Field PCs built for collecting data in harsh environments. Natural resource and agriculture field computing applications for the Allegro CE include:

- ▼ Forest Management: forest inventory, timber cruising, regeneration surveys, street tree inventory
- ▼ Forest Product Management: log scaling, log buying, lumber grading, long yard inventory, nursery inventory
- ▼ Environmental Consulting: wetland delineation, land mapping, hydrology studies, wildlife and restoration ecology
- ▼ Fisheries and Wildlife Management: resource assessment, stream survey, creel and animal census, habitat classification, water quality monitoring, hunting check stations
- ▼ Rangeland Monitoring: range analysis, inventory, range classification, vegetative and trend studies
- ▼ Agriculture: crop scouting, weed management, agronomy field note taking, seed research, insect control and pest scouting, agriculture products inventory and distribution, crop insurance, FSA/NRCS field data service
- ▼ Livestock Production: herd management, milk production data collection, DHIA testing, electronic animal ID



Other rugged mobile computing applications include: geophysics, land survey and geomatics, pipeline monitoring and survey, stevedoring, meter reading, facilities and asset management, military, distribution and warehousing, automotive testing, offshore oil and gas exploration, and Campbell Scientific data logging.

The Allegro CE has the following advanced features:

Microsoft Windows CE .NET is Available as an Option

Provides enhanced program development tools and networking and communications capabilities.

Fast Processor for Superior Performance

Intel's StrongARM SA1110 206 MHz processor provides outstanding speed and performance.

Display and Touchscreen Provide Excellent Visibility

The clarity of the display and non-glare touchscreen make information easy to read outdoors. The 1/4 VGA display offers 18 percent more viewing area than other units. A display heater and backlight are standard features.

Efficient Keyboard Layout for Long-lasting Use and Durability

The keys are large and can be used with gloved hands. Key labels do not rub off after extended use.

Field-Friendly Case Design

The shape and smooth edges of the case make it easy to hold in either hand and use in the field. The Allegro CE weighs only 1.84 lbs. Battery and PC card compartments are easily accessed.

Rugged Case Meets Tough Environmental Specifications

The rugged polycarbonate case is shock and chemical resistant. Gaskets completely seal the case from water and dust. The Allegro CE operates in temperatures ranging from -22 to 130° F (-30 to 54° C).

Plenty of Memory for Efficient Program Execution

SDRAM from 32 to 128 M is available, providing sufficient memory to run programs like field GIS.

Nonvolatile Data and Program Storage

From 32 to 512 M of non-volatile solid state disk storage is available. Your data are secure without battery backup.

User-Accessible PC Card Slot Provides Additional Data Storage and I/O Options

Compatible with ATA, Compact Flash, micro hard disk, SRAM, Bluetooth communication cards, modems, wireless networking cards, and other I/O cards.

Long Battery Life

A NiMH battery pack provides up to 30 hours of battery life. Intelligent battery monitoring and charging are provided. An optional AA alkaline battery holder is available.

Communication Options Provide Multiple Device Connections

Two standard 9 pin D RS-232C serial ports and an IrDA port allow multiple devices to be connected to the Allegro.

Fast File Transfer and Synchronization

Using the USB/Power Dock you can quickly transfer and synchronize files between the Allegro CE and a PC. The Allegro is charged while it is docked. Multiple USB/Power Docks can be attached to one PC.

Expansion Pods Provide Sensor Integration

Options include an autonomous GPS receiver, bar code scanner, 802.11b wireless network, and bar code scanner with 802.11b. Expansion pods are fully sealed.

Allegro CE GPS Data Collection and Field GIS Options

Our business partnerships with ESRI and Trimble Navigation Limited allow us to provide superior systems for mobile GPS and GIS applications with the Allegro CE. Backpack systems include: the Trimble Power Bundle which provides sub-meter accuracy and real-time differential correction. Economical handheld systems: ESRI ArcPad and Trimble TerraSync bundles feature the Allegro CE with an integrated GPS expansion pod.

Patents Issued for the Allegro CE

US 6,421,234 B1 Handheld Electronics Device Having Ergonomic Features

US 6,407,911 B1 Sealed Portable Electronics Device Having Expansion Port

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