



Allegro CX™

Allegro CX™

Rugged to perform in the most demanding environments so you can get your work done.



fast wireless color

You have come to expect ruggedness, reliability, and flexibility from the Allegro line of rugged field computers from Juniper Systems, Inc. We continue to meet this commitment with the introduction of the Allegro CX. Exciting new features such as a color display option and a fast processor make field data collection even more productive.

As always, we still provide world renowned, person-to-person sales and product support.



Features

Fast

Intel® XScale®, 400 MHz

Intuitive

Windows® CE .NET 4.2

Color

Active Matrix TFT Color Display

Wireless

Integrated Bluetooth

Rugged

Withstands Extreme Temperatures

Impervious

Waterproof, Dustproof, IP67

Plentiful Memory

128 M

Secure Data Storage

256 M, 512 M, 1 G

Communicates

2 Serial Ports, USB, IRDA

Efficient

NiMH Battery

Expandable

GPS, Bar Code, WLAN

Field-Friendly

Ergonomic Design

Handy

62 Large Keys

Real Time

Internal Battery-Backed Clock

Versatile

Accessible PC Card


Hear It

Multi-Media Sound

Please visit our website at: www.junipersys.com



Allegro Cx™



ID	Name	Latitude	Longitude
A6	Ghost	39° 6.400 N	110° 40.314 W
M1	Sheep	39° 6.405 N	110° 40.416 W

F11

F12



C



F1

F2

F3

F4

F5

7

8

9

Brk
Esc

4

5

6

TS
BkSp

1

2

3

ENTER

0

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PgUp

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Home

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End

ENTER

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PgDn

Start

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TAB

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Alt

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Shift

Ins ?

Del

On/Off

Specifications

Processor

- Intel® XScale® processor, 400 MHz

Operating System

- Microsoft® Windows® CE .NET V4.2

Memory (RAM)

- 128 M SDRAM

Data Storage

- Solid state disk storage: 256 M, 512 M, or 1 G
- Does not require battery power to maintain data
- Internal, not user-accessible

PC Card Slot (PCMCIA)

- User-accessible
- 16 bit PC card, user removable (does not accept 32 bit Bus-type cards)
- Accepts Type I or II 3V/5V PC cards
- Can use ATA, Compact Flash, micro hard disk, SRAM, modems, wireless networking cards, and other I/O cards

Communication Options

- USB Port: Connection on base of unit to be used with USB/Power Dock™; multiple docks can be chained through communication hub
- COM 1: Sealed 9-pin D, full modem control signals, 5V @ 200 mA available on DTR pin, controlled by DTR
- COM 2: Sealed 9-pin D, full modem control
- Infrared Port
- Bluetooth transceiver, integrated (optional);
 - » Profiles: Serial, printer, telephone, LAN
 - » Transceiver: Class 2 Bluetooth
 - » Range: 30 foot radius (10 meters)
 - » Internal, does not use PC card slot

Color Display

- Active viewing area: 3.0" wide x 2.3" high (3.8" diagonal)
- High visibility color TFT active matrix transfective LCD, .24 mm dot pitch, .23 mm dot size
- 1/4 VGA, 320 x 240 pixels, landscape view
- Transfective technology for brilliant contrast, including use in direct sunlight
- Includes graphic accelerator for high performance operation
- LCD has an LED backlight with adjustable brightness capability for visibility in low lighting or changing light conditions
- Color TFT technology allows operation in cold temperatures without a heater

Monochrome Display

- Active viewing area: 3.3" wide x 2.5" high (4.1" diagonal), 18% larger than comparable units
- Monochrome LCD: High visibility with paperwhite-like background, black on white, high contrast, .26 mm dot pitch, .25 mm dot size
- 1/4 VGA, 320 x 240 pixels
- LCD has an LED backlight with adjustable brightness capability for visibility in low lighting or changing light conditions
- LCD has extended temperature range to work better in cold or heat; automatic contrast adjustment for temperature compensation
- Display heater for operation in cold environments; heater can be set to turn on automatically when temperature is cold enough to require heater

Touchscreen

- Resistive, pressure sensitive touchscreen for stylus or finger operation
- Touchscreen disable button
- Touchscreen transmissivity of 84%, non-reflective

Programs Included

- PTab® Spreadsheet, Calculator, and the Microsoft programs Windows Explorer®, InBox® Email, Pocket Internet Explorer®, and WordPad®
- Microsoft ActiveSync® is included on the distribution CD-ROM

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 and Dustproof: Passes MIL-STD 810F and IP67
- Shockproof: Passes MIL-STD 810F shock (drop) test

Keyboard

- 62 large keys advantageous for use with gloved hands
- 12 function keys: Located directly under the display; convenient in applications as soft keys
- Special keys: Windows start, task manager, contrast adjustment, touchscreen disable, display backlight on/off
- Large round cursor control button
- Forward and backward tab keys (no shifting required)
- Numeric keys are large and centrally located
- All standard printable ASCII characters are on the keyboard
- Keys have a snappy tactile feel
- Removable keyboard bezel for cleaning and customization; remains sealed when removed

Case Design

- Ergonomic with balanced weight distribution
- Rugged; 100% sealed against water and dust, passes IP67
- Designed for one-handed operation (right or left)
- Rings at all 4 corners of the case for hand strap and shoulder strap; multiple strap orientations are possible

Power

- Rechargeable 3.6V 3800 mAH NiMH high capacity battery pack (camcorder battery)
- NiMH batteries last 12 to 20 hours depending on the application (max. continuous use is about 30 hours)
- Separate power input connector for charging and direct power input, 10-20 V DC, 5.5 x 2.1 mm DC power jack
- Vehicle charging power adaptor (optional)
- Rapid internal smart-charging in 3 to 5 hours; automatically switches to trickle charge mode to preserve charge and prevent battery from overcharging
- Alkaline battery holder uses 3 AA alkaline cells (optional)

Sound

- Screen taps, key beeps
- Sounds can be customized and associated with events
- Volume is adjustable
- Audio/video playing capabilities with Windows Media™ Player 9 Series

Clock

- Internal real time clock backed by lithium battery; No need to reset time and date if unit is reset, as required with some comparable units
- +/- 3 minutes per month accuracy

Certifications

- FCC Class A
- European CE Mark
- Bluetooth

Expandability

- Expansion Pods: Integrate additional components with the Allegro CX; pods replace the PC card door and remain fully sealed
- Integrated GPS receiver, 802.11b, bar code scanner, and other custom pods

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 and Removable Bezel

Tough & Field Ready

IDEAL for any rugged application.

If you work in harsh environments, we serve your data collection and GIS/GPS needs.

Your data are SAFE.

Go ahead and work in driving rain, hot environments or cold temperatures.
Get the Allegro muddy or sandy, accidentally drop it on the ground or in a stream.

Superior CUSTOMER SERVICE.

When you need assistance with your Allegro, we are here for you.

TRY it for yourself.

If you would like to have a two-week demonstration Allegro, contact our sales department to make arrangements.

Allegro CX™

Juniper Systems, Inc. provides rugged field computers, mobile GIS and GPS, and HarvestMaster brand data collection tools for agriculture. For detailed information about our products, contact our sales department or our representative in your area.



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