

# Allegro DOS™ Rugged Field PC



## ***For DOS Applications***

*Rugged and waterproof, the Allegro DOS field computer is built to use in harsh data collection environments.*

*The Allegro DOS has the time-tested features you can expect when you invest in a handheld computer from Juniper Systems, Inc.*



### **Allegro DOS Features:**

#### **Durable, Field-Ergonomic Case**

The Allegro DOS is rugged, shock resistant, and waterproof. The case is lightweight, comfortable to hold, and stands up to use in extremely harsh environments.

#### **Large Display Provides Excellent Visibility**

The 1/4 VGA display is 3.8" wide x 2.4" high, providing 18 percent more viewing area than comparable units. A display heater and backlight are standard features. Four font sizes are available.

#### **LED Indicators Keep You Informed**

The LED indicators above the display provide you with information such as battery charge status, making it easy to manage the battery charge.

#### **Plenty of Memory and Secure Data Storage**

The Allegro DOS has 16 M of RAM and 32 M of non-volatile solid state disk storage. Your data are secure without battery backup. A user-accessible PC card slot allows you to add additional data storage and I/O capabilities.

#### **Two Communication Ports**

There are two standard 9 pin RS-232 communication ports on the top of the Allegro case for connecting serial devices.

#### **Full Alphanumeric Keyboard**

The large keys provide easy use, even with gloved hands.

#### **Integrate GPS**

Our GPS expansion pod integrates the Trimble Lassen LP GPS receiver with the Allegro DOS in one fully-sealed unit. The expansion pod receives autonomous GPS positions that are used with DOS GPS programs like LandMark GPS™.

#### **Application Development Made Easy**

You can easily create data collection forms using application generation software programs such as DataPlus Professional™ from Electronic Data Solutions, and EASYDC™ from R. White Woods, Inc.™



# Allegro DOS Specifications

## Processor

- 486 AMD processor, AMD SC 400, 100 MHz

## Operating Systems

- MS-DOS 6.22

## Program Included

- Allegro Utilities: FileScout DOS File Manager and Transfer Utility, Text Editor
- Desktop PC: Lynx File Transfer Utility

## 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: 1.78 lbs or 28 oz (807 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 immersion tests
- Shockproof: Passes MIL-810E-512.4 shock (drop) test.



## Communication Ports

- Two 9 pin D RS-232 ports (up to 115 Kbaud)
- 5 V power at 250 mA for external devices on COM1

## Display

- Robust, scratch-resistant display screen
- Large LCD has an EL backlight with adjustable brightness capability for visibility in low lighting conditions
- Display heater for operation in cold environments
- Active viewing area: 3.3" wide x 2.5" high (4.1" diagonal), 18% larger than comparable units
- 1/4 VGA, resolution is 320 x 240 pixels
- Four font sizes are user selectable with a hot key: 25 lines by 40 characters, 16 x 40, 16 x 32, or 12 x 20
- Full screen in memory: 25 lines x 80 characters

## Keyboard

- 62 large keys; advantageous for use with gloved hands
- 12 Function keys located directly under the display; convenient for use in applications as soft keys
- Numeric keys are centrally located and designed for number-intensive applications
- Special keys: DOS break, reset
- Forward and backward tab keys, unshifted
- All printable ASCII characters are on the keyboard; extended characters are accessible through ALT# # # key sequences
- Key labels are coated with special finishes that prevent them from rubbing off
- Keys have a snappy tactile feel
- The keyboard bezel protects the keys from tearing; it can be removed, allowing you to clean the keyboard



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## Case Design

- Field-ergonomic shape with balanced weight distribution
- Rugged, 100% sealed against water and dust
- Designed for one-handed operation
- Rings on all 4 corners of the case for straps
- Adjustable hand and shoulder straps



## Power

- Rechargeable NiMH quick change battery pack (replacements are readily available)
- NiMH batteries last 10 to 16 hours between charges during typical use
- Battery charge status LED indicators, low battery warning
- Resume mode allows you to resume where you left off when you turn the Allegro on
- Adjustable performance/power management
- Power manager automatically switches unit into low power mode for optimum efficiency
- Separate power input connector for charging and direct power
- Rapid internal smart-charging in 3 hours
- Alkaline battery holder uses 3 AA alkaline cells (optional)

## Memory/Storage

- 16 M low power RAM
- 32 M non-volatile solid state disk storage; data are secure without battery backup

## PC Card Slot

- User accessible without special tools
- Accepts Type I or II 3V/5V PC cards
- Compatible with ATA Flash, SRAM, and I/O cards
- Compact Flash card adapter is available



## Clock

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

## Certifications

- CE Mark approval
- FCC Class A

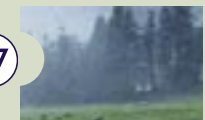
## Expandability

- Expansion pod allows integration of a GPS receiver with the Allegro DOS

## Our Representative in Your Area:



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