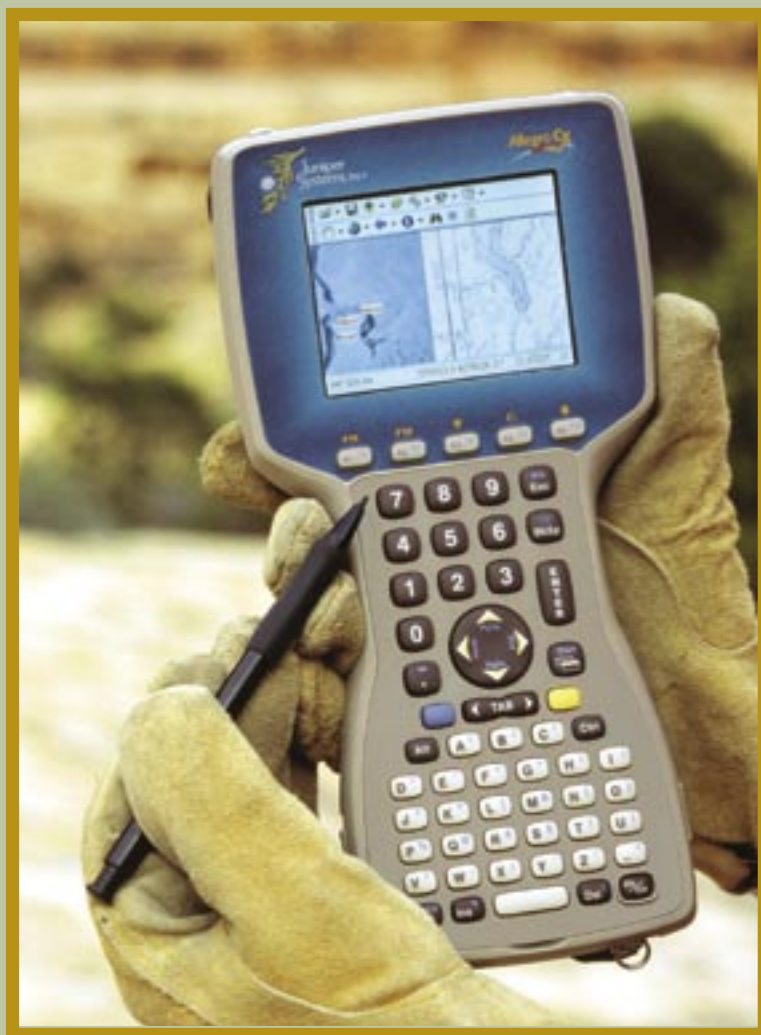


# Allegro CX™

## Field PC and Accessories



**Fast**  
**Color**  
**Wireless**





*For pricing information and availability for the Allegro CX and accessories please contact your sales representative or Juniper Systems, Inc. directly.*

## **Table of Contents**

Allegro CX Models	1
Accessories Included with the Allegro CX	1 - 2
Power and Charging Accessories	2 - 3
Electronic Measurement Devices	3 - 4
PC Cards	4
Expansion Pods	4 - 5
GPS Accessories	6
Applications Software	6 - 11
Forest Inventory	6 - 7
Campbell Scientific Data Logger Retrieval	7
Water Quality Data Collection	7
GIS/GPS Software	8 - 9
Farm Works Software	9 - 10
Application Generation Software	10 - 11
Miscellaneous and Replacement Accessories	11 - 13
GIS/GPS Lease Kits	13
Custom Services	14
Extended Warranties	14 - 15
Ordering Information	15

## Allegro CX Models

The Allegro CX is the latest field computer from Juniper Systems' Allegro series. The rugged, reliable, and flexible handheld computer now offers a color display option with imbedded Bluetooth, and a fast processor with more data storage capacity.



<i>Allegro CX 64/128 with Monochrome Display</i>	14620
<i>Allegro CX 64/512 with Monochrome Display</i>	14622
<i>Allegro CX 64/128 with Color Display and Bluetooth</i>	14626
<i>Allegro CX 64/512 with Color Display and Bluetooth</i>	14628
<i>Allegro CX 128/512 with Color Display and Bluetooth</i>	14630
<i>Allegro CX 128/1G with Color Display and Bluetooth</i>	14632

## Accessories Included with the Allegro CX

**Wall Charger** – Recharge your Allegro from a standard wall outlet directly to the unit. The wall charger is also used to recharge your Allegro through the USB/Power Dock. Choose the plug configuration for your country.

**CE Serial Communication Cable** – The 6-foot cable allows you to synchronize and transfer files from your Allegro to your PC via the serial communications.



**Mini and Full-Size Stylus** – The stylus is used to enter information easily via the touchscreen. The mini stylus snaps into place on top of the Allegro. The pen style is a pen-sized stylus.

**Carrying Straps (Hand and Shoulder)** – The straps can be attached for right or left handed operators. The shoulder strap can be used as a neck strap for hands-free operation. The tension on the hand strap and shoulder strap is adjustable.

**NiMH Battery Pack** – The NiMH Battery Pack, with a capacity of 3800 mAh, typically operates your Allegro for 12 to 20 hours. The NiMH battery pack can be recharged.

## **Allegro CX Accessories Continued**

**Distribution Disk** – Standard programs in the distribution disk are: Windows Explorer, Pocket Word, Internet Explorer, PTab (an Excel spreadsheet), Calculator, File Manager, Microsoft InBox, Email, and ActiveSync.

**Electronic Owner's Manual** – The owner's manual provides detailed instructions for the Allegro CX. It includes sections on use, care, storage options, optional hardware features, and in-depth instruction for all expansion pods.

### **Power and Charging Accessories**

The universal wall charger is compatible with the different VAC style outlets and voltages worldwide. The plug adapters easily slide into the wall charger allowing convenient charging capabilities while traveling. Order the wall charger with the plug appropriate for you country. The following options are available:

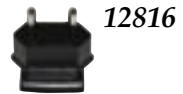
#### **Wall Charger with North American Plug**

This wall charger is equipped with a plug that to fit 110 VAC outlets in North America.



#### **Wall Charger with European Plug**

This wall charger is equipped with a plug to specifically fit European 220 VAC outlets. (Charger not shown.)



#### **Wall Charger with UK Plug**

This wall charger is equipped with a plug that to fit UK outlets. (Charger not shown.)



#### **Wall Charger with Australian Plug**

This wall charger is equipped with a plug that is to fit Australian outlets. (Charger not shown.)



#### **USB/Power Dock**

The USB/Power Dock is used to transfer files to the PC via USB and to charge the Allegro. The Allegro automatically begins charging when it is docked, preparing the unit for tomorrow's workday. Multiple



USB/Power Docks can be attached to one PC using the unique MultiSync function. You can address each Allegro in the Allegro's chain for information via program control.

## ***Power and Charging Accessories Continued***

---

### ***7 Port USB Hub***

**13188**

The 7 Port USB hub allows you to use up to seven USB compatible devices at a time with your Allegro. This accessory also allows you to connect multiple Allegros to one computer via USB.

### ***Cigarette Lighter Power Adapter***

The cigarette lighter power adapter allows you do conveniently charge your Allegro battery packs while on the go.



**12517**

### ***NiMH Battery Pack***

**12523**

The NiMH battery pack, with a capacity 3800 mAh, typically operates your Allegro for 12 to 20 hours. The NiMH battery pack can be charged daily and charges approximately two hours.



### ***External NiMH Battery Charger***

**12447**

The external NiMH battery charger is used to recharge the Allegro battery pack when it is removed from the unit. The battery pack is charged in two hours.

### ***Alkaline Battery Holder***

**12449**

The alkaline battery holder allows you to power the Allegro with alkaline batteries, which are typically used as a backup method. Because of the reduced capacity of alkaline power supply for the batteries, some features of the Allegro are limited.



## **Electronic Measuring Devices**

### ***Mantax Digitech Caliper***

**13033**

The Mantax Digitech caliper with radio is used for timber cruising. The Haglof caliper is available in the following lengths: 18, 24, or 30 inches. This computer caliper stores tree diameter measurements by different species. With the built-in IR and radio, the Mantax Digitech communicates wirelessly with your Allegro.



## ***Electronic Measuring Devices Continued***

### ***CE-Wedge***

12865

The CE-Wedge from Tal Tech is a keyboard wedge designed for interfacing serial devices such as calipers, bar code scanners, weight scales, and GPS receivers to a Windows CE program.

### **PC Cards**

Your Allegro is equipped with a user-accessible PC card slot that allows you to add data storage and I/O capabilities to your Allegro. Compact flash and ATA cards provide solid state data storage; your data are safe and power is not required to maintain the data. Data storage cards are available in the following memory sizes:



*128 M Compact Flash Card*

12918

*256 M Compact Flash Card*

12919

*512 M Compact Flash Card*

13281

*64 M ATA Flash Card*

13074

*Compact Flash Card Adapter*

12683

The compact flash card adapter is required to adapt the compact flash card for the Allegro's PC card slot. PC data storage cards are available in higher memory sizes. Contact your sales representative for information and price.



### **Expansion Pods**

Expansion pods allow you to integrate additional sensors, while maintaining the waterproof and dust proof integrity of the rugged unit. The expansion pods are listed below.

*Bar Code Scanner Expansion Pod*

13261

The bar code scanner expansion pod offers the convenience of scanning bar codes in a single handheld unit. The high performance bar code scanner features: ability to scan in outdoor bright light, scans bar codes 1-3 feet away, low power consumption, and compatibility with nine different bar code symbologies (included with the bar code expansion pod).

## ***Expansion Pods Continued***

---

### ***802.11b Expansion Pod***

13262

Used with your Allegro, the 802.11b expansion pod offers the flexibility and benefits of Wireless Local Area Network (WLAN). The 802.11b expansion pod features superior range and throughput, secure network communications, and is suitable for international use.



### ***Bar Code Scanner with 802.11b***

13253

The bar code scanner with 802.11b integrates WLAN and bar code scanner together in one expansion pod. Once the scanned data are stored in the your Allegro, the data are transferred to a central hub via 802.11b. Combining these two technologies adds versatility and usability to your Allegro.



### ***GPS Expansion Pod***

12803

The GPS expansion pod integrates the Trimble Lassen LP™ receiver with your Allegro. A magnetic, compact, 3.3V active micropatch antenna and bracket is mounted on the top of the Allegro. This expansion pod enables you to receive GPS positions that are used in conjunction with many GIS/ GPS packages. Use the Allegro with GPS to map, navigate, or log georeferenced positions.



### ***Expansion Pod Retrofit***

The expansion pod can be added onto your Allegro if you want to add capability to your previously purchased unit. Call for a RMA number to request the expansion pod retrofit.

Our qualified sales technicians will properly attach the expansion pod to your Allegro within 10 days. Call for details on retrofits for the bar code scanner and 802.11b expansion pods.

## GPS Accessories

### *GPS Antenna Bracket*

The GPS antenna bracket attaches to the top of the Allegro. The GPS antenna or external GPS receiver attaches magnetically to the bracket.



12996

### *Antenna Cap*

The antenna cap seals and protects the port when your GPS antenna is not being used. Antenna caps are available in packages of three.

12999

### *GPS Antenna with 5 meter Cable*

The GPS antenna with a 5-meter cable gives you the flexibility to mount your GPS antenna up to 5 meters away from the Allegro. With the magnetic antenna you can attach the antenna to the top of your vehicle and receive readings on the Allegro inside the cab.

13032

### *Holux GPS Receiver*

The Holux GPS receiver with WAAS capability attaches to the core of the Allegro. Mounts magnetically to the GPS Antenna Bracket.



13300

## Application Software

Juniper Systems provides Windows CE software for specific applications. Other software may be available from our resellers.

### **Forest Inventory**

Timber Cruise software was developed by Haglof Inc. and Heuristic Solutions to provide foresters with a complete forest inventory solution.

#### *TCruise Win CE Pro*

13038

TCruise Win CE Pro is a timber cruising software package for processing point, plot, double point (VBAR), 100%, strip, or stump cruises for your Allegro. Key features include: in-field error checking, acceptance of latitude/longitude for each plot, and the ability to enter custom data at multiple levels (tract, plot, and tree).



## ***Application Software Continued - Forest Inventory***

---

### ***TCruise PC***

13036

TCruise PC is a Windows stand and forest inventory data summary program for processing timber cruise data downloaded from TCruise Win CE Pro. TCruise PC is used for transferring, reporting, and manipulating data from TCruise Win CE Pro.

### **Campbell Scientific Data Logger Retrieval**

#### ***PConnect CE***

12554

PConnect CE allows you to collect data from Campbell Scientific Inc. dataloggers using your Allegro. On-site communication functions include: monitoring real-time data, retrieving stored data, transferring programs to the datalogger, and setting the datalogger's clock. Dataloggers supported include the CR500, CR510, CR10, CR10X, CR23X, 21X, and CR7.



### **Water Quality Data Collection**

HydroPlus offers a suite of software choices that function with multi-parameter water quality probes including: In-Situ, Hydrolab, and YSI. Save time and money and have one display for all of your multi-probes.

#### ***HydroPlus CE***

13200

HydroPlus CE allows the user to integrate water quality multi-probes with GPS input using the Allegro. Simultaneously record water quality parameters and GPS location with the click of a button and view real-time and historical data graphs.



#### ***HydroPlus GIS***

13199

HydroPlus GIS is an ESRI's ArcPad 6.0 template with ESRI's ArcPad 6.0 providing an interface between a Windows CE computer, a multi-parameter water quality probe, and GPS receiver that communicates using NMEA, TSIP, or DeLorme Earthmate binary protocol. This allows for a fast and easy way to gather position tagged water quality data in the field. Data are recorded directly into the GIS shapefile.

## ***Application Software Continued - GIS/GPS Software***

---

### **GIS/GPS Software**

GIS/GPS programs are now available for Windows CE field computers. These programs have created a revolution in resource management field data collection. Several of these GIS/GPS programs are available for the Allegro.

#### ***ArcPad 6.0***

12553

ArcPad from ESRI is a mobile map and GIS program for Windows CE. ArcPad provides database access, mapping, GIS, and GPS integration to you in the field via your Allegro. Supporting a wide range of geographic projections and file formats, data collection with ArcPad is fast and easy.



#### ***TerraSync Professional***

12558

TerraSync Professional software from Trimble Navigation is a versatile GIS data collection and data maintenance tool for Windows CE devices.



TerraSync provides access to, and seamless operation, with Trimble GPS Pathfinder receivers and GPS Pathfinder Office software. The primary functions of TerraSync software are: updating existing GIS data, collecting data for a GIS or spatial database, and navigating in the field. TerraSync Professional is compatible with the GPS Expansion Pod.

#### ***Extended TerraSync***

13304

#### ***Professional Field Software Enhancement***

Trimble support agreement for users of TerraSync Professional.

#### ***GPS Correct***

13198

GPS Correct from Trimble Navigation is an integrated GPS solution for ArcPad users. It allows you differential correction of shapefiles using Pathfinder Office. The software also features seamless control of your Trimble GPS receiver from within ArcPad.

#### ***Pathfinder Office Software***

13256

GPS Pathfinder Office Software adds value to your GIS data collection and data maintenance projects by enabling you to plan your field work sessions and make them more productive. Tools include: viewing, editing, differential corrections, and filtering.

## ***Application Software Continued - GIS/GPS Software***

***Extended Pathfinder Office Software Enhancement*** 12559

Pathfinder Office Software support agreement for users of Extended Pathfinder Office Software.

***HGIS Plus*** 13034

HGIS Plus is a mobile GPS program for Windows CE. It features: GPS mapping and data acquisition, grid soil sampling, crop and weed scouting, mapping of crop inputs, tile line mapping, mapping for crop insurance, laser rangefinder logging, and irrigation center pivot layouts. It also features seamless data transfer with most GIS applications.



### **Farm Works Software**

Farm Works Software offers a suite of fully integrated farm management programs. These programs are designed to help agricultural producers operate their farms more efficiently.



Farm Site Mate is a Windows CE program providing for site specific mapping, scouting, soil sampling and variable rate control. Site Mate allows you to easily create maps of field boundaries, weed areas, tile lines, spray paths, or soil sample locations. Site Mate maps are compatible with many GIS programs including Farm Site or Site Pro.



***Farm Site Software*** 12781

Farm Site adds layers and GPS compatibility to Farm Trac. Real-world coordinates work to provide state-of-the-art positioning. Farm Site also supports a limitless number of layers, from soil types or soil tests, to last year's fields or next year's planting intentions. Farm Site works with all major yield monitors.

*(Source [www.farmworks.com](http://www.farmworks.com))*

***Farm Site Mate-Basic*** 12777

Farm Site Mate-Basic software allows you to generate accurate maps of areas including weed, insect infestations, and wet holes. This program allows you to offset logged paths and boundaries. Farm Site Mate - Basic displays distances and sizes of mapped paths.

## ***Application Software Continued - Farm Works***

---

### ***Farm Site Mate-Scouting and Grid Sampling*** 12778

Farm Site Mate-Scouting and Grid Sampling includes all the features of Farm Site Mate-Basic, plus it allows you to create soil sample grids to any size, pattern, and orientation. While automatically assigning sample IDs to each point, this program allows you to enter an unlimited number of attributes such as scouting notes for mapped area and points. This software includes tools for navigating to gridded points or any known point in a field, and includes features for creating and displaying legends for areas and points.

### ***Farm Site Mate-Variable Rate Control*** 12779

Farm Site Mate-Variable Rate Control includes all the features of Farm Site Mate-Basic and Scouting, plus this software works with commonly used variable rate controllers. This program gives you the ability to create a legend based on application rate, and displays the total expected amount of product to be applied.

### ***Farm Trac*** 12780

Farm Trac Software features include calculating acreage automatically using scanned FSA maps to guide map creation, and generating a written history of field activity. This software gives you the ability to keep maintenance records on equipment, and track input, production, and crop rotation information.

## **Application Generation Software**

Application generation software packages allow you to build custom programs on your PC for the Allegro.

### ***DataPlus Professional*** 11759

DataPlus Professional, from Electronic Data Solutions, is a Windows-based application generator for Windows CE handheld computers. **DataPlus** Professional creates flexible data collection applications and lets you build applications that mimic clipboard data sheets. You design and test the application on your desktop then transfer it your Allegro.

DataPlus Professional Package Application Generator includes one copy of Application Generator, DPCedit Program Editor, Host Communications, Windows CE with Data Converter, Data File Editor, one DOS Portable Computer License, one Windows CE Portable Computer License and User Manual Set on CD.

## ***Application Software Continued - Application Generation***

***Additional DataPlus Professional Windows CE License*** 13259

Additional DataPlus Professional license is purchased for each additional Allegro on which DataPlus is running.

***FieldWorker GPS*** 13305

FieldWorker makes GPS datalogging and attribute information gathering simple, fast, and accurate. FieldWorker supports importing from and reporting to ArcView 3.x and 8.x for points, lines, and polygons. FieldWorker provides a proven, full-featured GPS capability on your Allegro.

***FieldWorker GPS Support*** 13306

FieldWorker Products Ltd. support agreement for users of FieldWorker GPS.

## **Miscellaneous and Replacement Accessories**

***Field Carrying Case*** 12832

The field carrying case is a protective, durable Nylon Cordura case that fits the Allegro while it is being used. The case is equipped with an adjustable nylon hand and shoulder strap for hands-free operation. The protective nylon screen flap allows you to protect your screen when not in use.



***Linker Plate Package*** 12957

The linker plate package was designed to link several USB/Power Docks together. The link plate device is easily installed onto the base of the USB/Power Dock.

***Pogo Pin Replacement*** 13067

Pogo pin replacements are available for your USB/Power Dock. The pogo pins provide the electrical connection to the Allegro.



***CE Serial Communication Cable*** 12446

The 6-foot cable allows you to synchronize and transfer files and data from your Allegro to your PC via the serial communications port.



***Hand Strap*** 12435

The hand strap can be attached and adjusted to your Allegro for right or left hand operation.



## ***Miscellaneous and Replacement Accessories Continued***

---

### ***Shoulder Strap***

Use the adjustable shoulder strap, made from durable nylon, for hands-free operation.



12533

### ***Holster Case***

The holster case is a padded nylon Cordura case that attaches to your belt via two belt loops. The Allegro can be carried in the holster case while you are not using it.



12867

### ***Connector Cover Replacements***

The connector cover replacements seal and protect the two RS-232 9-pin communication ports located on the top of your Allegro. The connector cover replacements include two 9-pin covers.



14558

### ***Allegro CX Owner's Manual***

The Allegro CX owner's manual is a printed book that instructs you on the operation of the Allegro. It includes: instructions for use and care, storage options, optional hardware features, and in-depth instruction for the expansion pods.



12925

### ***Distribution CD Replacement***

Our distribution CD replacement includes Windows CE NET 4.2, the desktop PC setup programs, ActiveSync, SDK's, and backups of software suite programs.

12927

### ***PC Card Door***

The PC card door is located on the back of your Allegro behind the display. This replacement door is easily installed. Do not order the PC card door if the Allegro has an expansion pod installed.



12812

### ***Pen-Style Stylus***

The pen-style stylus is a pen-type stylus to use with the Allegro.



12637

### ***On-Board Stylus Pack***

On-board stylus pack includes five mini-styli to use with the Allegro.

12687

### ***IrDA USB Adapter***

12689

### ***Allegro Cradle***

The Allegro cradle holds your Allegro securely while using it in a vehicle or ATV.



12688

## ***Miscellaneous and Replacement Accessories Continued***

### ***Allegro Cradle for HM-400***

**12696**

Our Allegro cradle for the HM-400 is designed specifically for our Plot Harvest Data System users. The cradle is designed to be mounted directly inside the cab of your research combine to secure your Allegro in place while collecting and recording plot harvest data. The cradle includes a cable that attaches to the System Control Unit.

### ***Monochrome Display Screen Protectors***

**13320**

Monochrome display screen protectors are thin sheets of plastic polymer that help protect the monochrome Allegro screen from scratches without inhibiting visibility. Screen protectors come in packages of 10.

### ***Color Display Screen Protectors***

**14544**

Color display screen protectors are thin sheets of plastic polymer that help protect the color display allegro screen from scratches without inhibiting visibility. Screen protectors come in packages of 10.

## **GIS/GPS Lease Kits**

The GIS/GPS lease kit is available for classes, seminars, and training courses. The kit includes five Allegro CX Field Computers with GPS Expansion Pods. The Allegros are compatible with several mobile GIS programs. The following programs can be run on the Allegro field computers: ArcPad, TerraSync, HGIS, and Site Mate. There are two options available for your lease kits:



***Lease a rental kit for one week***

**13023**

***Lease a rental kit for five weeks***

**13024**

The five weeks do not need to be consecutive but must be completed within a one-year period.

## Custom Services

Custom programming and training services are available by special arrangement. Contact us to discuss your needs.

### *Custom Programming*

**11903**

Custom programming is available if you need specific applications in Windows CE for the Allegro. Trained application engineers and technical support are available to discuss for programming needs.

### *On-Site Training*

**11900**

Juniper Systems provides authorized technicians to visit your facility for product maintenance and software training.

### *Factory Training*

**11901**

Juniper Systems offers factory training on products or software. Training is provided by expert application engineers, technicians, or computer programmers. Customers can attend training at our company headquarters.

## Extended Warranties

As the manufacturer of your Allegro Field PC, we are pleased to offer you extended warranty coverage. Extend the standard product warranty coverage on your Allegro by one to three years. Add the plus maintenance option to receive a one-time replacement of wearable parts. Add the premium support option to receive a loaner unit while your unit is being serviced.

### *Extended Warranty*

When your Allegro is sent in for a warranty repair, an authorized service technician analyzes your unit for potential problems, completes any necessary repairs, and performs a functional analysis. We pay the labor and material costs required to fix defective parts as well as the shipping costs to return the unit to you. Allegros with extended warranties receive an expedited five-day turnaround from the date of receipt. Repairs are typically completed within 10 working days. Extend your current Allegro warranty before it expires, otherwise you are required to send your Allegro to our customer service department for an evaluation.

## ***Extended Warranties Continued***

---

### ***Plus Maintenance***

This option adds the replacement of the following wearable parts to the warranty: keyboard, touchscreen, communication port covers, and handstrap.

### ***Premium Support***

If you cannot be without your Allegro while it is being serviced, add the premium support option to your warranty. An Allegro is sent to you on loan within 24 hours after issuance of an RMA.

## **Ordering Information**

To place a direct order, address purchase orders to:

Juniper Systems, Inc.  
1740 North Research Park Way  
Logan, UT 84341-1977 USA

Note: Please follow up on verbal orders by sending a copy of your written purchase order marked "Confirmation Only."

### **Shipping**

All orders are FOB Logan, Utah, USA. Domestic shipments are sent UPS Ground unless otherwise specified. International shipments are sent as specified. Contact us for the estimated shipping date. Orders are insured at the buyer's expense.

### **Terms**

Prices are in US dollars and subject to change without notice. Payment terms are based on credit approval. Minimum order of \$50.00 required. International sales terms are to be covered by an irrevocable letter of credit, due upon receipt by USA Bank, or cash in advance. Past due invoices will be charged interest at 1.5% per month. VISA, MasterCard, and Americana Express cards are accepted.

### **Returns and Repairs**

Returns may not be made without first obtaining a Return to Stock Number (RSN). A standard restocking fee of 15% may be charged. To return an item for repair, you must first obtain a Return Materials Authorization Number (RMA). Special orders are not returnable.



**Our Representative in your area:**



NATURAL RESOURCE SOLUTIONS



P.O. Box 3058  
Ohope, New Zealand

Email [wFMB@lat37.co.nz](mailto:wFMB@lat37.co.nz) Tel +64 7 315 5602  
[www.lat37.co.nz](http://www.lat37.co.nz) Fax +64 7 315 5604



1740 N. Research Park Way  
Logan, UT 84341-1977

Tel: 435.753.1881 Fax: 435.753.1896

Email: [js@junipersys.com](mailto:js@junipersys.com)

[www.junipersys.com](http://www.junipersys.com)