

# LANpoint PLUS

## Vehicle and Shop Floor Data Collection



Whatever your application, the small and rugged LANpoint PLUS data collection terminals from Intelligent Instrumentation offer a lower-cost solution for your demanding vehicle and shop floor data collection requirements. Enterprise ready LANpoint Plus terminals offer superior flexibility, reliability, and ease of programming and integration to solve your most demanding data capture and control requirements for the future — immediately.

The LANpoint PLUS data collection terminals are designed with collecting data on enterprise networks in mind. Utilizing a powerful 32-bit processor, a proven multi-tasking real-time embedded operating system, full TCP/IP stack, and wireless 802.11b support, the LANpoint PLUS can tackle your most complex data collection applications. Complete with a built-in web-server for remote management and a full-featured software development kit, the LANpoint PLUS is ideal for getting data from its source to the server, regardless of the host platform. The scalable and flexible features of the LANpoint PLUS make real-time data collection a reality. Able to bridge legacy, current, and future infrastructure, this LANpoint is ready to tackle tomorrow's applications today.

### Powerful System Architecture

The LANpoint PLUS provides a low-cost data collection alternative for those situations when a simple and easy-to-use user interface is desired. Class-leading flexibility and integration is achieved through the use of standards-based software and hardware components combined with memory expansion and simple third-party add-on capabilities. Based on Windows CE.NET and Intel XScale architecture, the LANpoint PLUS enables seamless application development and integration capabilities. Now you have the option to easily run CE.NET applications - not only on your handheld devices, but also on your vehicle and shop floor data collection terminals as well — greatly reducing support costs.

The LANpoint PLUS allows developers the convenience of using their existing Microsoft desktop development skills with Visual Studio, NET2003 Professional or Microsoft's eMbedded Visual C++ 4.0. Standard networking and utility software includes TCP/IP, SMNP, SQL CE and MSMQ. Remote network management is provided by WebDevice, Intelligent Instrumentation's Web server application that comes standard with each LANpoint PLUS.

Additionally, the LANpoint PLUS supports popular terminal emulation for VT/HP, IBM 3270/5250, so you can simply and cost-effectively run legacy terminal emulation applications.

### Built-In Flexibility

Each terminal features a compact (9" W x 5" H x 3.75" D) and rugged NEMA 12 (IP54) case design, backlit 2 x 40 character LCD display, integrated tactile feedback alphanumeric keyboard, 10/100 Ethernet, wireless options, built-in digital I/O, Compact Flash and PCMCIA storage expansion capabilities. You can interface to several data collection specific devices including barcode, digital I/O, wireless LAN, proximity (RFID) readers, and biometrics.

## High Reliability Design

Our LANpoint terminals have proven their design reliability with thousands of terminals installed and nearly 15 years of daily usage. LANpoint terminals meet the requirements of the most demanding environments, from the factory floor to warehouses and distribution centers.

The sealed keyboard and recessed connectors provide protection against work-site contaminants and the rigors of usage in harsh environments. The industrial exterior houses a very innovative yet highly reliable internal design that eliminates the need for internal fans and inherently unreliable moving parts. The LANpoint PLUS can also withstand shock and vibration transferred from vehicles as they work in rugged indoor and outdoor applications.

## Remote Management

Remote management is a must in today's world. With constantly expanding networks, the ability to deploy and configure devices from a central location can make or break a systems support budget. Each LANpoint PLUS ships with Intelligent Instrumentation's WebDevice, our Web server application that provides remote network systems management. Standard networking and utility software includes TCP/IP, SNMP, SQL CE and MSMQ.

## Manufactured in the USA

All of our data collection terminals are manufactured in the USA. We design internally, control the manufacturing process and provide ongoing support to ensure the greatest value for your Enterprise IT investment. Perhaps as important, the entire family of LANpoint.NET terminals is fully supported by an expert technical staff with an unparalleled reputation for rapid resolution of questions or concerns.

Specifications	Stationary	Vehicle
<b>Processing &amp; Memory</b>	Intel XScale PXA255 CPU 32MB SDRAM 32MB Flash Expansion via CF or PCMCIA	Intel XScale PXA255 CPU 32MB SDRAM 32MB Flash Expansion via CF or PCMCIA
<b>System Software</b>	Windows CE.NET 4.2 SQL -CE MSMQ API's and utilities WebDevice - Remote Management	Windows CE.NET 4.2 SQL -CE MSMQ API's and utilities WebDevice - Remote Management
<b>Optional Software</b>	Terminal Emulation VT, HP, IBM 3270, IBM 5250 Screen re-mapping AirLoader	Terminal Emulation VT, HP, IBM 3270, IBM 5250 Screen re-mapping AirLoader
<b>Physical</b>	22.9 cm W x 12.7 cm H x 3.8 cm D (9.0" W x 5.0" H x 1.5" D)	22.9 cm W x 12.7 cm H x 9.5 cm D (9.0" W x 5.0" H x 3.75" D)
<b>Weight</b>	1.7 lbs. (.77 Kg)	2.6 lbs. (1.2 Kg)
<b>Integral Display</b>	Supertwist 2 x 40 backlit LCD	Supertwist 2 x 40 backlit LCD
<b>Integrated Keyboard</b>	Sealed elastomeric, 5 million cycle, long-life industrial design	Sealed elastomeric, 5 million cycle, long-life industrial design
<b>Keyboard Configuration</b>	51 key position, QWERTY	51 key position, QWERTY
<b>Temperature Operating Storage</b>	0°C to 50°C (32°F to 122°F) 0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F) 0°C to 50°C (32°F to 122°F)
<b>Power Requirements</b>	12VDC, 400 mA	12-48 VDC vehicles
<b>Automatic ID Interfaces</b>	Three COM ports, mini-DIN6 PS/2 connector for external keyboard and keyboard wedge readers	Three COM ports, mini-DIN6 PS/2 connector for external keyboard and keyboard wedge readers
<b>Connectors</b>	Power, Ethernet 10/100BaseT, COM1, COM2, COM3, external PS/2 keyboard, speaker output, battery backup, one: +3.3 VDC, +5VDC and +12VDC accessory output, digital I/O	Power, Ethernet 10/100BaseT, COM1, COM2, COM3, external PS/2 keyboard, speaker output, battery backup, one: +3.3 VDC, +5VDC and +12VDC accessory output, digital I/O
<b>Networks Supported</b>	Windows NT/2000/2003/XP, TCP/IP	Windows NT/2000/2003/XP, TCP/IP
<b>Digital I/O</b>	8 optically-isolated digital inputs & 8 digital outputs. Digital inputs provide counter capability to 50 counts per second	8 optically-isolated digital inputs & 8 digital outputs. Digital inputs provide counter capability to 50 counts per second
<b>Battery Backup</b>	AA-style pack, .05 Amp-hr	Internal AAA-style pack, .025 Amp-hr
<b>Vehicle -Mounting</b>		RAM Mount Arm System
<b>WIFI 802.11b Ready and/or Additional Local Memory</b>	<b>Optional</b> One PCMCIA Type I/II/III slot, one internal Compact Flash slot  <b>PCMCIA RF Card supported:</b> Cisco/Aironet 11 Mbps DSSS PCMCIA card, part number AIR-PCM350US (or equivalent for countries other than the U.S.)	<b>Standard</b> One PCMCIA Type I/II/III slot, one internal Compact Flash slot  <b>PCMCIA RF Card supported:</b> Cisco/Aironet 11 Mbps DSSS PCMCIA card, part number AIR-PCM350US (or equivalent for countries other than the U.S.)

\* Prices and specifications are subject to change without notice

The LANpoint® data collection computers are supported in more than 30 countries through a worldwide network of Intelligent Instrumentation Regional Marketing Centers, authorized System Integrators, and Value Added Resellers. For your convenience, Intelligent Instrumentation maintains an electronic sales and support directory on our web site. To contact the local office nearest you anywhere in the world visit our web site at [www.lanpoint.com](http://www.lanpoint.com).

