

LANpoint 7

Industrial Data Collection



Whatever your application, the compact and rugged LANpoint 7 data collection terminals from Intelligent Instrumentation offer a lower-cost solution for your demanding vehicle and shop floor data collection requirements. Enterprise ready, LANpoint 7 computers 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 7 data collection computers 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 optional wireless 802.11b/g, the LANpoint 7 can tackle your most complex data collection applications. Complete with a built-in web server, Internet browser, and a full-featured software development kit, the LANpoint 7 is ideal for getting data from its source to the server, regardless of the host platform. The connectivity rich and Internet compliant LANpoint 7 makes real-time data collection a reality. Able to bridge legacy, current, and future infrastructure, the LANpoint 7 is ready to tackle tomorrow's applications today.

Powerful Open System Architecture

The LANpoint7 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 robust expansion capabilities. Based on Windows CE.NET and Intel XScale architecture, the LANpoint7 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 computers as well - greatly reducing user training time and support costs.



The LANpoint7 allows you to use your existing Microsoft desktop development skills with off-the-shelf Visual Studio.NET 2003 Professional or Visual C++ 4.0 to create managed code solutions. Whether you're a VB.NET or a C# programmer, you'll be able to quickly and easily deploy custom applications that can seamlessly interact with popular Microsoft database technologies.

Additionally, the LANpoint7 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 (11.2"W x 9.7"H x 3.7"D) and drip proof NEMA 12 (IP54) or weatherproof/spray down case design, standard extreme operating temperature range, bright ½ VGA LCD graphic display, excellent integrated tactile feedback alphanumeric keyboard, 10/100 Ethernet, wireless options, built-in digital I/O options, Compact Flash and PCMCIA storage expansion capabilities. In conjunction with custom LANpoint hardware drivers, you can interface to many data collection specific devices including barcode, digital I/O, wireless LAN, proximity (RFID) readers, and biometrics.



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Small footprint where it matters – only 63 square in. of workspace – less than ½ of 1 square foot

High Reliability Design

Our LANpoint terminals have proven their design reliability with thousands of terminals installed in many applications with more than 15 years of daily usage. They meet the requirements of the most demanding environments, from the factory floor to warehouses and distribution centers – cold, hot, wet, dirty, dusty – it doesn't matter. The sealed keyboard and recessed connectors protect against work-site contaminants and the rigors of harsh environments. The industrial exterior houses a reliable internal design that utilizes industrial components and eliminates internal fans and failure-prone moving parts, withstanding mechanical shock & vibration in indoor and outdoor applications alike.

Remote Management

Deploying, configuring, and maintaining devices can be a big drain on a support budget. To help reduce that necessary expense, each LANpoint 7 ships with Intelligent Instrumentation's WebDevice, a Web server application that provides terminal management and software upgrade capabilities from a central location

Manufactured in the USA

Intelligent Instrumentation designs and controls the manufacturing process. The entire LANpoint product line is fully supported by an expert factory technical staff. Call and talk to us and see for yourself.

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. To contact the local office nearest you anywhere in the world, visit our web site at www.lanpoint.com, email: sales@lanpoint.com, or in the USA call 800-685-9911 or FAX 520-573-0522.

System	Windows CE.NET OS, v4.2 Intel 400 MHz PXA255 processor 32MB RAM, 64 MB Flash
Display	640 x 240 (1/4 VGA), 350-nit backlit, wide viewing angle, 64K color LCD. Touchscreen is optional
Keyboard	Sealed elastomeric, long-life industrial design w/epoxy overcoat legend protection
Keyboard Configuration	69-key QWERTY; keys are programmable for soft keys, menu selection, and repetitive character string data entry
Case Design, fixed-mount	Tough, impervious plastic face with NEMA12 drip-proof housing is standard; waterproof hosedown and other configurations available
Case Design, vehicle-mount	Tough, impervious plastic face with waterproof hosedown housing; mechanical mounting options minimize shock and vibration transferred from the vehicle.
Status LEDs	Eight LEDs on face of terminal: - power, Ethernet link, battery power, low battery plus four user-definable/programmable LEDs
Off-line Storage	Approximately 32MB data storage for local files and/or off-line operation, upgradeable via customer supplied Compact Flash card.
Physical	11.2"W x 9.7"H x 3.7"D
Vibration & Shock	MIL-STD-810E, mechanical vibration (Method 514.4, Category 1 basic transportation) and (Method 514.4, Category 8 ground mobile). MIL-STD-810E, mechanical shock (Method 516.4, Procedure 1). SAE J 1455 Figures 6,7 & 8.
Temperature	Operating: extended temperature -20° to 55°C is standard
Power, fixed	17.2 - 28 VAC or 17.2 - 35 VDC
Power, vehicle	12 – 96 VDC vehicles, with selection of power conditioners
Battery backup	Optional AA-style pack, 0.7Amp-hr
Connectors	Power Ethernet 10/100BaseT COM1, COM2, COM3 with jumper for +5VDC on any or all external PS/2 keyboard PS/2 mouse PCMCIA Type I/II/III (for RF Ethernet card usually) battery backup two sets: +3.3 VDC, +5VDC and +12VDC accessory power outputs digital I/O (optional) Compact Flash (unpopulated) All connectors are internal to the unit and positive-locking for vibration protection
Digital I/O (optional)	8 optically-isolated digital inputs & 2, 4, or 8 fused digital outputs. Digital inputs can be configured as counters, up to 50 counts per second
Connectivity	Networks supported include Windows NT/2000/2003/XP, TCP/IP
WIFI	Factory-installed IEEE802.11b/g Wireless Ethernet includes radio, antenna mount & cable, antenna, and software support. Optional on fixed-mount models, standard on vehicle-mount models
Automatic ID Interfaces	Three serial COM ports with keyboard data wedge utility included at no charge; mini-DIN6 PS/2 connector for external keyboard and keyboard port wedge readers
Slot Readers	Slot readers available include infrared barcode, visible red barcode, or mag stripe. Various slot reader bracket accessories allow flexible slot reader installation locations
Symbologies	Virtually any if using decoded scanner or slot reader
Network Management Software	SNMP; Remote management capabilities provided by browser-based terminal manager or optional client/server management application
System and Standard Software	Windows CE.NET version 4.2 SQL-CE MSMQ APIs and utilities (data wedge, time server, soft reboot, Programmable Function Key configurator and runtime, digital I/O control, many more) WebDevice – Remote Management via Web browser MS Terminal Services thin client
Optional Software	Terminal Emulation thin client – VT, HP, IBM3270, IBM5250 with or without screen re-mapping, with or without AirLoader management software Lock-down Web Browser

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