the smart approach to instrumentation™

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# New Distributed I/O Family Features Built-in Ethernet & Serial Expansion Ports

## *Eliminates Costly & Space-Wasting External Network Communication Adapters*

CLEVELAND, OH — IOtech's new PointScan™ family of distributed I/O modules feature an open and highly scalable architecture designed to address the monitoring, test, and control needs for applications across the industrial automation, test and measurement, and data acquisition markets (unlike distributed offerings from Programmable Logic Control (PLC) companies). This comprehensive offering of high-resolution analog and isolated digital distributed I/O modules leverages standard networks and communication protocols.

The PointScan™ family consists of 45 modules, divided into three distributed I/O module groups and their supporting accessories, plus powerful Microsoft Windows®-based software.

- The PointScan/100™ series modules feature built-in Ethernet, which eliminates the need for sizeable and expensive add-on communication adapters. It also provides immediate (TCP/IP-based) integration into existing Ethernet networks as well as browser-based web access. These modules also support transparent RS-485-based I/O expansion of up to 32 modules, using only a *single* Ethernet IP address.

- The PointScan/200™ series modules feature built-in RS-485 supporting open (Modbus RTU/ASCII) protocol-based expansion using an inexpensive and easy to implement, expand, and maintain multi-drop network.

- The PointScan/300™ series modules provide the lowest cost per channel and utilize a high-speed local bus capable of supporting up to 20 modules over a 50' (16M) total distance. To economically match low I/O count applications a selection of combination I/O modules (e.g. 4 DI and 4 AO) are available.

All PointScan/100, /200, and /300 series modules feature additional maintenance and cost reducing functions including 1200 VRMS isolation (Ethernet and RS-485 ports), hot-swap module replacement, auto-configuration and self-calibration (analog I/O only), autopolarity, programmable digital filtering, short-circuit protection, time-proportioned (control) outputs, and more.

An easy-to-use Microsoft Windows®-based software package is included with each module and is used to configure the network(s) and to configure, calibrate (analog I/O), and test the hardware. Dedicated drivers are included for the Citect™ monitoring, test, and control software providing the highest level of performance and ease-of-use with the shortest start-up time. An OPC server provides open access to all OPC-compliant client packages including Microsoft Excel®, Microsoft Access®, and most HMI/SCADA packages. For demanding, high speed applications a powerful DLL supports custom application development in popular high-level languages including Visual Basic®, C/C++, and Delphi™ (Windows® 98/2000/Me/NT).

## About IOtech

IOtech produces data acquisition hardware and software for use in PC-based test & measurement and industrial automation systems. Its products are used in research and manufacturing facilities and are sold throughout the world. IOtech, Inc. is located at 25971 Cannon Road, Cleveland, Ohio, 44146; telephone: (440) 439-4091; fax: (440) 439-4093; E-mail: sales@iotech.com; www.iotech.com.

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## Pricing

| Product | Description | US List Price |
|---|---|---|
| *PointScan/100 Series I/O with Ethernet, RS-485, and Free Network/Module Configuration and Test Software* | | |
| **PointScan/102** | 16 analog inputs; 4 to 20 mA | $850 |
| **PointScan/104** | 8 universal analog inputs; TC, mA, mV, V | $925 |
| **PointScan/108** | 8 analog inputs and 4 analog outputs; 4 to 20 mA | $850 |
| **PointScan/109** | 4 RTD inputs and 4 discrete outputs | $925 |
| **PointScan/122** | 16 digital inputs; 12/24 VDC/VAC | $495 |
| **PointScan/127** | 8 HS counters with encoder inputs; 32-bit, 4 to 30V | $625 |
| **PointScan/129** | 8 digital inputs and outputs; 12/24 VDC | $550 |
| **PointScan/130** | 8 digital inputs and 4 analog inputs | $650 |
| **PointScan/142** | 16 digital outputs; 10 to 30 VDC, 1A | $550 |
| *PointScan/200 Series I/O with RS-485 and Free Network/Module Configuration and Test Software* | | |
| **PointScan/201** | 8 analog inputs; 4 to 20 mA | $525 |
| **PointScan/202** | 16 analog inputs; 4 to 20 mA | $750 |
| **PointScan/204** | 8 universal analog inputs; TC, mA, mV, V | $825 |
| **PointScan/216** | 4 analog outputs; 4 to 20mA | $525 |
| **PointScan/217** | 8 analog outputs; 4 to 20mA | $750 |
| **PointScan/221** | 8 digital inputs; 12/24 VDC/VAC | $375 |
| **PointScan/222** | 16 digital inputs; 12/24 VDC/VAC | $350 |
| **PointScan/228** | 4 digital inputs and outputs; 12/24 VDC | $425 |
| **PointScan/231** | 4 digital inputs and 4 analog inputs | $525 |
| **PointScan/242** | 16 digital outputs; 10 to 30 VDC, 1A | $425 |
| **PointScan/243** | 8 digital outputs; 10 to 30 VDC, 3A | $425 |
| *PointScan/300 Series I/O with PT-Bus and Free Network/Module Configuration and Test Software** | | |
| **PointScan/301** | 8 analog inputs; 4 to 20 mA | $525* |
| **PointScan/302** | 16 analog inputs; 4 to 20 mA | $750* |
| **PointScan/303** | 16 analog inputs (current limiters) | $325* |
| **PointScan/304** | 8 universal analog inputs; TC, mA, mV, V | $825* |
| **PointScan/305** | 8 analog inputs; ±1, 2, 5, 10V | $525* |
| **PointScan/306** | 6 RTD inputs; 100 Ohm platinum | $825* |
| **PointScan/307** | 6 RTD inputs; 10 Ohm copper | $950* |
| **PointScan/316** | 4 analog outputs; 4 to 20mA | $525* |
| **PointScan/317** | 8 analog outputs; 4 to 20mA | $750* |
| **PointScan/318** | 8 analog outputs; ±5V, ±10V, 0 to 5V, 0 to 10V | $525* |
| **PointScan/321** | 8 digital inputs; 12/24 VDC/VAC | $325* |
| **PointScan/322** | 16 digital inputs; 12/24 VDC/VAC | $350* |
| **PointScan/323** | 8 digital inputs; 5 VDC | $325* |
| **PointScan/324** | 8 digital inputs; 48 VDC/VAC | $325* |
| **PointScan/325** | 8 digital inputs; 120 VDC/VAC | $325* |
| **PointScan/326** | 8 digital inputs; 240 VAC | $375* |
| **PointScan/327** | 8 HS counters with encoder inputs; 32-bit, 4 to 30V | $500* |
| **PointScan/336** | 6 relay outputs; 140 VDC/VAC, 2A | $350* |
| **PointScan/337** | 8 digital outputs; 0 to 60 VDC, 2A | $350* |
| **PointScan/338** | 8 digital outputs; 60 to 150 VDC, 1A | $450* |
| **PointScan/339** | 8 digital outputs; 16 to 140 VAC, 2A | $375* |
| **PointScan/340** | 8 digital outputs; 140 to 265 VAC, 2A | $375* |
| **PointScan/341** | 16 digital outputs; 10 to 32 VDC, 0.5A | $350* |
| *PointScan/400 Series Accessories* | | |
| **PointScan/440** | field configuration module | $250 |
| **PointScan/441** | RS-232/RS-485 converter | $300 |
| **PointScan/442** | Ethernet/RS-232 to PT-Bus Gateway | $650 |
| **PointScan/443** | power supply; 24 VDC @ 1A | $250 |

* Special order modules. Contact factory for delivery.



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