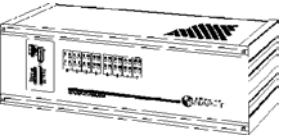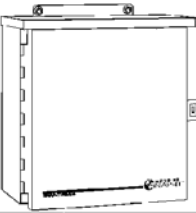## SNAP-IT Rack-Mounted Ethernet I/O System   *— NEW —*

The SNAP-IT-RM rack-mounted Ethernet I/O system packages a SNAP Ethernet brain, a 16-module mounting rack, and a power supply in a 3U box for standard 19-inch rack mounting. The SNAP-IT rack mount series is ideal for managing devices in controlled environments. Typical applications include monitoring computer and telecommunications equipment. Just snap the input/output modules you need for your specific application into the rack, wire them to your devices, and configure the I/O points using the built-in Web server, and you're ready to monitor and manage virtually any electrical, mechanical, or electronic device via your enterprise network or other communications link.

SNAP-IT-RM-ADS. SNAP-IT packaged Ethernet I/O system, analog/digital/serial support, rack mounted.
691-5521. SNAP-IT-RM-ADS..**EACH 1893.38**
SNAP-IT-RM-D64. SNAP-IT packaged Ethernet I/O system, digital-only support, rack mounted.
691-5522. SNAP-IT-RM-D64 ....**EACH 1775.00**

SNAP-IT Panel-Mounted Ethernet I/O System   *— NEW —*

SNAP-IT panel-mounted Ethernet I/O system packages a SNAP Ethernet brain, a 16-module mounting rack, and a power supply in a sturdy metal housing for mounting on interior or exterior walls or equipment The SNAP-IT-PM series is ideal for use in harsh indoor or outdoor environments. Typical applications include managing communication towers, tanks, pipelines, and machines for manufacturing and processing. Just snap the input/output modules you need for your specific application into the rack, wire them to your devices, and configure the I/O points using the built-in web server, and you're ready to monitor and manage virtually any electrical, mechanical, or electronic device via your enterprise network or other communications link.
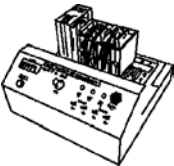
SNAP-IT-PM-ADS. SNAP-IT packaged Ethernet I/O system, analog/digital/serial support, panel mounted.
691-5523. SNAP-IT-PM-ADS ....**EACH 1893.38**
SNAP-IT-PM-D64. SNAP-IT packaged Ethernet I/O system, digital-only support, panel mounted.
691-5524. SNAP-IT-PM-D64 ....**EACH 555.00**
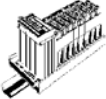
SNAP Ethernet I/O Demo Center

The SNAP Ethernet I/O Demo Center is a fully functional, complete package of Opto 22 hardware and software that provides everything you need to get started with Opto 22's ethernet I/O technology. In minutes, you'll be able to communicate with I/O points using just your web browser or the included ethernet software utilities. Included with the SNAP Ethernet I/O Demo Center is a Quick Start guide that will walk you through I/O hardware assembly and installation of the Demo Center's software utilities.

SNAP-ENET DC. SNAP Ethernet I/O Demo Center
691-2113. SNAP-ENET DC ....**EACH 1268.63**
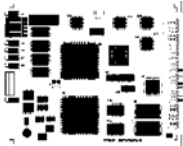
SNAP Brains and I/O Units

With SNAP I/O, a single processor does it all. SNAP controls analog, digital, or mixed I/O modules on the same compact SNAP B series mounting rack. Both Optomux and Mistic protocols are supported for easy integration into existing Optomux or Mistic installations. SNAP I/O processors offer a variety of high-speed serial communications options and can be daisy-chained on a single serial link over very long distances. SNAP I/O processors feature flash-based firmware for easy upgrades and maintenance. The Mistic protocol provides seamless integration with Opto 22's FactoryFloor software.

691-0046. B3000. Snap Analog/Digital Brain Mistic/Optomux Protocol, FM Approved ....**EACH 467.50**
691-2213. SNAP-PDRPS64. Profibus — DP Digital Slave Brain ....**EACH 555.00**
691-1102. B3000-MODBUS. SNAP Analog/Digital Modbus Slave Brain..**EACH 425.00**
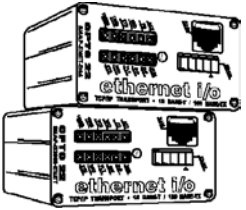
M4SENET-100 Ethernet Adapter Card

The M4SENET-100 is an Ethernet network interface card designed for Opto 22's M4-series industrial controllers, such as the SNAP-LCM4 and the M4RTU. The card provides connection capability with a 10Base-T or 100Base-TX Ethernet network. The key advantage of the M4SENET-100 is that it operates on standard Ethernet networks using standard TCP/IP transport. A separate I/O or control network is not required for the control system.

691-0381. M4SENET-100. Ethernet Network Interface Card ....**EACH 945.20**

SNAP Ethernet Brains

SNAP Ethernet brains are compact, flexible, high-performance I/O and communications processors that connect real-world devices with Ethernet networks for monitoring, control, and data acquisition. The SNAP-B3000-ENET works with analog, digital, and serial signals from real-world devices, while the SNAP-ENET-D64 Ethernet brain handles digital signals only. Both SNAP Ethernet brains feature pure TCP/IP transport protocol; a 10/100 Mbps fast Ethernet connection; a built-in web server for diagnostics, configuration, and data serving; and multiple simultaneous protocols including Modbus/TCP, XML, HTML, SNMP, and SMTP.
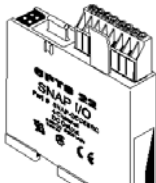
691-1113. SNAP-B3000-ENET. Analog/Digital Ethernet Brain, FM approved ....**EACH 695.00**
691-5525. SNAP-ENET-D64. Digital-Only Ethernet Brain ....**EACH 764.47**

SNAP I/O Modules

SNAP-SCM-232

SNAP-ODC5SRC

SNAP-AITM

SNAP I/O is Opto 22's newest and highest density I/O packaging. SNAP I/O includes 4-channel AC and DC digital modules and intelligent analog modules. SNAP's compact design delivers an overall space savings of 60 percent over traditional I/O, while innovative new packaging allows modules to simply snap in place. All SNAP modules have removable top-mounted connectors to provide easy access for field wiring. Digital modules include a built-in LED status indicator for each channel. Digital output modules use a standard fuse with a convenient handle for easy replacement. DC output modules are available in either current sinking or current sourcing versions. SNAP analog modules are software-configurable and offer both optical and transformer isolation. Each analog input module offers 15-bit resolution for high accuracy. All analog modules include a serial interface for easy programmability and integration into OEM applications.

SNAP Serial Modules
691-2002. SNAP-SCM-232. 2-Channel RS-232 Serial Communication Module ....**EACH 295.00**
691-5535. SNAP-SCM-485. 2-Channel Isolated Serial RS-485...**EACH 245.00**

SNAP Digital Modules
SNAP Digital AC Inputs
691-0001. SNAP-IAC5. 4-Channel AC Input 90-140 VAC, 5 VDC Logic...**EACH 42.00**
691-5500. SNAP-IAC5AFM. 4-Channel 180-280 VAC Input, 5 VDC Logic, FM Approved ....**EACH 47.00**
691-5501. SNAP-IAC5FM. 4-Channel 10-32 VAC Input, 5 VDC Logic, FM Approved......................................**EACH 47.00**
691-5502. SNAP-IAC5MA. 4-Channel Isolated 90-140 VAC Input, 5 VDC Logic, Manual/Auto Switches......**EACH 84.00**

SNAP Digital DC Inputs
691-2003. SNAP-IDC5-SW. SNAP Input Module, Self-Wetting ....**EACH 56.00**
691-0003. SNAP-IDC5. 4-Channel DC Input 10-32 VDC, 5 VDC Logic ....**EACH 42.00**
691-1003. SNAP-IDC5FAST. SNAP 4-Channel Hi-Speed DC Input 2.5-16 VDC, 5 VDC Logic ....**EACH 46.00**
691-5503. SNAP-IDC5D. 4-Channel 2.5-28 VDC Input, 5 VDC Logic ....**EACH 42.00**
691-5504. SNAP-IDC5DFM. 4-Channel 2.5-28 VDC Input, 5 VDC Logic, FM Approved...................................**EACH 47.00**
691-5505. SNAP-IDC5-FAST-A. 4-Channel 18-32 VDC Input, 5 VDC Logic, High Speed...............................**EACH 46.00**
691-5506. SNAP-IDC5FM. 4-Channel 10-32 VDC Input, 5 VDC Logic, FM Approved ....**EACH 47.00**
691-5507. SNAP-IDC5MA. 4-Channel Isolated 10-32 VDC Input, 5 VDC Logic, Manual/Auto Switches ....**EACH 84.00**
691-1105. SNAP-IDC5Q. 2-Axis Quadrature, 4-24 VDC Input...**EACH 182.00**

SNAP Digital AC Outputs
691-2005. SNAP-OAC5-I. SNAP AC Output Module, Isolated ....**EACH 42.00**
691-0004. SNAP-OAC5. 4-Channel AC Output 12-280 VAC, 5 VDC Logic..**EACH 42.00**
691-5508. SNAP-OAC5FM. 4-Channel 12-280 VAC Output, 5 VDC Logic, FM Approved................................**EACH 47.00**
691-5509. SNAP-OAC5-iFM. 4-Channel Isolated 12-280 VAC Output, 5 VDC Logic, FM Approved ....**EACH 47.00**
691-5510. SNAP-OAC5MA. 4-Channel Isolated 12-280 VAC Output, 5 VDC Logic, Manual/Auto Switches ...**EACH 84.00**

SNAP Digital DC Outputs
691-0005. SNAP-ODC5SNK. 4-Channel DC Output 5-60 VDC, 5 VDC Logic Sink ....**EACH 42.00**
691-0006. SNAP-ODC5SRC. 4-Channel DC Output 5-60 VDC, 5 VDC Logic Source ....**EACH 42.00**
691-5511. SNAP-ODC5A-i. 4-Channel Isolated 5-200 VDC Output, 5 VDC Logic..**EACH 42.00**
691-5512. SNAP-ODC5A-iFM. 4-Channel Isolated 5-200 VDC Output, 5 VDC Logic, FM Approved.............**EACH 47.00**
691-5513. SNAP-ODC5-iFM. 4-Channel Isolated 5-60 VDC Output, 5 VDC Logic, FM Approved ....**EACH 47.00**
691-5514. SNAP-ODC5MA. 4-Channel Isolated 5-60 VDC Output, 5 VDC Logic, Manual/Auto Switches .....**EACH 84.00**
691-1107. SNAP-ODC5R. 4-Channel Dry Contact, Normally Open ....**EACH 45.00**
691-5515. SNAP-ODC5R5. 4-Channel Dry Contact, Normally Closed ....**EACH 45.00**
691-5516. SNAP-ODC5RFM. 4-Channel Dry Contact, Normally Open, FM Approved ....**EACH 50.00**
691-5517. SNAP-ODC5R5FM. 4-Channel Dry Contact, Normally Closed, FM Approved................................**EACH 50.00**
691-5518. SNAP-ODC5SNKFM. 4-Channel 5-60 VDC Output, Load Sinking, FM Approved ....**EACH 47.00**
691-5519. SNAP-ODC5SRCFM. 4-Channel 5-60 VDC Output, Load Sourcing, FM Approved.........................**EACH 47.00**

SNAP Analog Modules
SNAP Analog Inputs
691-2107. SNAP-AIMA-I. 2-Channel AIMA Isolated ....**EACH 265.00**
691-2108. SNAP-AITM-I. 2-Channel AITM Isolated ....**EACH 245.00**
691-2109. SNAP-AITM2-I. SNAP 2-Channel Isolated Thermo/mv Input ....**EACH 245.00**
691-2110. SNAP-AIV-I. 2-Channel AIV Isolated ....**EACH 245.00**
691-2111. SNAP-AICTD-4. SNAP 4-Channel ICTD Input ....**EACH 245.00**
691-2112. SNAP-AIMA-4. SNAP 4-Channel Analog Current Input..**EACH 245.00**
691-2114. SNAP-AIMV2-4. SNAP 4-Channel Analog ±50 mV Input ....**EACH 245.00**
691-2115. SNAP-AIV-4. SNAP 4-Channel Analog AIV ....**EACH 245.00**
691-0007. SNAP-AIMA. 2-Channel Analog Current Input –25 mA to +25 mA..**EACH 182.00**
691-0008. SNAP-AITM. 2-Channel Analog Type E, J, K Thermocouple or –160 mV to +160 mV Input ....**EACH 182.00**
691-0009. SNAP-AIV. 2-Channel Analog Input Voltage –10 VDC to +10 VDC ....**EACH 182.00**
691-1106. SNAP-AITM-2. SNAP 2-Channel Thermocouple Input Types B, C, D, G, N, T, R, S ....**EACH 182.00**
691-5520. SNAP-AIARMS. 2-Channel Current Input, 0-10 A RMS, AC/DC Input ....**EACH 195.00**
691-5530. SNAP-AIMV-4. 4-Channel Current Input, ±150 mV or ±75 mV Input...**EACH 245.00**
691-5531. SNAP-AIR40K-4. 4-Channel Thermistor Input, 0-40 K ohms ....**EACH 245.00**
691-5532. SNAP-AIRATE. 2-Channel Rate Input, 0-25 kHz ....**EACH 195.00**

SNAP Analog Outputs
691-1007. SNAP-AOA-23. SNAP 2-Channel Current Loop Output 4-20 mA...**EACH 182.00**
691-1009. SNAP-AOV-27. SNAP 2-Channel Voltage Output Bipolar –10 to +10 VDC ....**EACH 182.00**
691-5533. SNAP-AOA-28. 2-Channel Current Output, 0-20 mA ....**EACH 195.00**
691-5534. SNAP-AOD-29. 2-Channel Time-Proportional Digital Output, 5-60 VDC ....**EACH 187.00**

SNAP Power Supplies
691-1011. SNAP-PS5. SNAP Power Supply, Single Rack, 110 VAC to 5 VDC, FM Approved........................**EACH 214.00**
691-5537. SNAP-PS5-24DC. SNAP Power Supply, Single Rack, 24 VDC to 5 VDC, FM Approved ....**EACH 200.00**

SNAP Module Accessories
691-0013. SNAP-FIELDCONB. Module Field Connector...**PER PK./10 70.00**

SNAP I/O Accessories
The SNAP-ODC5R dry contact module allows switching of low power signals where signal integrity must be maintained, or where zero leakage current is a requirement. The SNAP-WIRESTRAP is used to connect the SNAP-STRAP's of multiple SNAP digital modules. The SNAP-STRAP is used to connect together the common terminals of a SNAP digital I/O module.
691-1107. SNAP-ODC5R. SNAP 4-Channel Dry Contact Output..**EACH 45.00**
691-1108. SNAP-STRAP. SNAP Module Jumper Strap ....**EACH 8.95**
691-1109. SNAP-WIRESTRAP. SNAP Module Wire Strap ....**EACH 5.74**