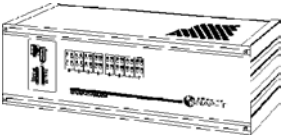


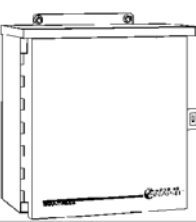
SNAP-IT Rack-Mounted Ethernet I/O System — NEW —

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.



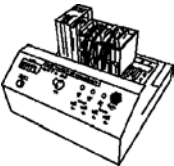
SNAP-IT-RM-ADS. SNAP-IT packaged Ethernet I/O system, analog/digital/serial support, rack mounted.	
691-5521. SNAP-IT-RM-ADS.....	EACH 1893.38
SNAP-IT-RM-D64. SNAP-IT packaged Ethernet I/O system, digital-only support, rack mounted.	
691-5522. SNAP-IT-RM-D64.....	EACH 1775.00

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

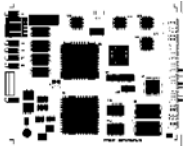
SNAP Brains and I/O Units

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 simple 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

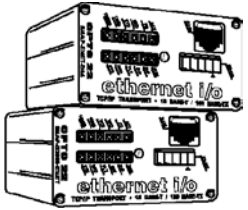


The M4SENET-100 is an Ethernet network interface card designed for Opto 22's M4-series industrial controllers, such as the SNAP-LCM4 and the M4RTU. The card provides connection capability with a 10Base-T or 100Base-TX Ethernet network. The key advantage of the M4SENET-100 is that it operates on standard 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
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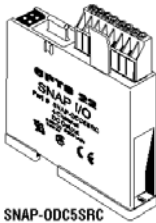
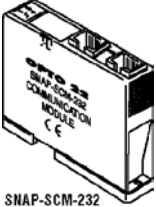
SNAP Ethernet Brains

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 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-IACS. 4-Channel AC Input 90-140 VAC, 5 VDC Logic.....	EACH 42.00
691-5500. SNAP-IACSAFM. 4-Channel 180-280 VAC Input, 5 VDC Logic, FM Approved.....	EACH 47.00
691-5501. SNAP-IACSFM. 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-IDCS-SW. SNAP Input Module, Self-Wetting.....	EACH 56.00
691-0003. SNAP-IDCS. 4-Channel DC Input 10-32 VDC, 5 VDC Logic.....	EACH 42.00
691-1003. SNAP-IDCSFAST. SNAP 4-Channel Hi-Speed DC Input 2.5-16 VDC, 5 VDC Logic.....	EACH 46.00
691-5503. SNAP-IDCS0. 4-Channel 2.5-28 VDC Input, 5 VDC Logic.....	EACH 42.00
691-5504. SNAP-IDCS5FM. 4-Channel 2.5-28 VDC Input, 5 VDC Logic, FM Approved.....	EACH 47.00
691-5505. SNAP-IDCS-FAST-A. 4-Channel 18-32 VDC Input, 5 VDC Logic, High Speed.....	EACH 46.00
691-5506. SNAP-IDCSFM. 4-Channel 10-32 VDC Input, 5 VDC Logic, FM Approved.....	EACH 47.00
691-5507. SNAP-IDCSMA. 4-Channel Isolated 10-32 VDC Input, 5 VDC Logic, Manual/Auto Switches.....	EACH 84.00
691-1105. SNAP-IDCS0. 2-Axis Quadrature, 4-24 VDC Input.....	EACH 182.00

SNAP Digital AC Outputs	
691-2005. SNAP-OACS-I. SNAP AC Output Module, Isolated.....	EACH 42.00
691-0004. SNAP-OACS. 4-Channel AC Output 12-280 VAC, 5 VDC Logic.....	EACH 42.00
691-5508. SNAP-OACSFM. 4-Channel 12-280 VAC Output, 5 VDC Logic, FM Approved.....	EACH 47.00
691-5509. SNAP-OACS5FM. 4-Channel Isolated 12-280 VAC Output, 5 VDC Logic, FM Approved.....	EACH 47.00
691-5510. SNAP-OACSMA. 4-Channel Isolated 12-280 VAC Output, 5 VDC Logic, Manual/Auto Switches.....	EACH 84.00

SNAP Digital DC Outputs	
691-0005. SNAP-ODCSNK. 4-Channel DC Output 5-60 VDC, 5 VDC Logic Sink.....	EACH 42.00
691-0006. SNAP-ODCSRC. 4-Channel DC Output 5-60 VDC, 5 VDC Logic Source.....	EACH 42.00
691-5511. SNAP-ODCSA-I. 4-Channel Isolated 5-200 VDC Output, 5 VDC Logic.....	EACH 42.00
691-5512. SNAP-ODCSA-IFM. 4-Channel Isolated 5-200 VDC Output, 5 VDC Logic, FM Approved.....	EACH 47.00
691-5513. SNAP-ODCS5FM. 4-Channel Isolated 5-60 VDC Output, 5 VDC Logic, FM Approved.....	EACH 47.00
691-5514. SNAP-ODCSMA. 4-Channel Isolated 5-60 VDC Output, 5 VDC Logic, Manual/Auto Switches.....	EACH 84.00
691-1107. SNAP-ODCSR. 4-Channel Dry Contact, Normally Open.....	EACH 45.00
691-5515. SNAP-ODCSR5. 4-Channel Dry Contact, Normally Closed.....	EACH 45.00
691-5516. SNAP-ODCSR5FM. 4-Channel Dry Contact, Normally Open, FM Approved.....	EACH 50.00
691-5517. SNAP-ODCSR5FM. 4-Channel Dry Contact, Normally Closed, FM Approved.....	EACH 50.00
691-5518. SNAP-ODCSR5KFM. 4-Channel 5-60 VDC Output, Load Sinking, FM Approved.....	EACH 47.00
691-5519. SNAP-ODCSR5CFM. 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
691-1006. 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-ODCSR 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-ODCSR. 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