

SNAP-IT Systems

SNAP-IT™ from Opto 22 is a packaged hardware system for connecting organizations' essential physical assets to their enterprise business applications and databases. Over standard wired or wireless networks and Internet technologies like IP, the SNAP-IT system can communicate with, gather operational data from, and remotely monitor and control line-of-business systems and equipment—manufacturing machinery, remote storage tanks, telecommunications equipment, refrigeration systems, and other assets—that are critical to business operations.

Typical applications for SNAP-IT systems include monitoring and managing new or legacy equipment in remote telecommunication sites, water and power utilities, manufacturing environments, convenience stores, quick-serve restaurants, and data centers.

Using SNAP-IT systems, you can:

- Acquire raw material, product, and service data for an enterprise database or supply-chain management system.
- Manage building lighting, access, HVAC, elevator, fire detection, and other systems.
- Collect and report critical data for regulatory compliance.
- Acquire operational, production, and inventory data from manufacturing systems.
- Monitor and control security access to facilities and equipment in local and remote locations.

SNAP-IT units can be used in virtually any location, indoors or outdoors, from offices and retail stores to harsh industrial environments. Enclosures are available suitable for rack mounting, placement on desks or tables, or mounting directly on equipment or walls.

For wireless connectivity using GSM-based wireless data networks, SNAP-IT is available with a built-in Nokia® GSM Connectivity Terminal™ for use on public GSM/GPRS mobile networks. SNAP-IT is certified for use with Computer Associates' Unicenter® and compatible with other enterprise management systems using SNMP, including Hewlett-Packard's OpenView® and IBM's Tivoli®.

SNAP-IT can be built to order with your choice of input and output modules for connection to virtually any physical asset. Inputs and outputs are available to sense or control switches, power, dry contacts, flow, pressure, level, temperature, humidity, or any equipment equipped with a serial port.



Machine-to-Machine Solutions from Opto 22

FEATURES

- Monitors and manages physical assets through Ethernet networks, dial-up phone lines, or wireless LAN and WAN data networks
- Delivers data directly to enterprise systems, virtually eliminating special software, proprietary servers, and other middleware components
- Compatible with any SNMP-based enterprise management system
- IP-based so you can access assets over a local Ethernet network, wireless network, or the Internet
- Easily configured using an included software utility



- Modular to meet your specific application requirements; scalable and expandable as your needs grow
- Easy-to-use flowchart programming capability for applications requiring local control or decision-making
- 30-month warranty.

SPECIFICATIONS

Communications

Data Protocols	FTP, SNMP, SMTP, Modbus/TCP, CORBA
Network Protocols	TCP/IP, UDP/IP, PPP
Wireless Protocols	GSM/GPRS, CDMA 1xRTT, iDEN, WiFi 802.11b
Serial Port	RS-232 for modems using PPP. Default rate is 19,200 Kbd; baud rate is soft-selectable from 2400 to 115,200 Kbd.
Ethernet Port	10/100 Mbps Fast Ethernet, using Category 5 or superior solid UTP cable with RJ-45 connector
I/O Connectivity	Analog Inputs: Thermocouple, RTD, voltage, and current Analog Outputs: Voltage, current, and TPO Digital Inputs: 35–280 VAC, 2.5–140 VDC, dry contact Digital Outputs: 12–250 VAC, 5–200 VDC, dry contact normally open (Form A) and normally closed (Form B) Serial: RS-232, RS-485/422, Wiegand® interface

Specifications may vary based on model or configuration selected.
Call for details.

Unit Specifications

Enclosures Available	19-inch rack-mount enclosure, 1U: 17.25" (43.82 cm) W, 1.75" (4.45 cm) H, 23.5" (59.69 cm) D Table or desktop enclosure: 17.35" (44.07 cm) W, 5.22" (13.26 cm) H, 7.5" (19.05 cm) D Panel-mount enclosure, meets NEMA 3R: 16.19" (41.12 cm) W, 18.25" (46.36 cm) H, 6.57" (16.69 cm) D Custom enclosures also available.
Power Supply	UL rated 120–250 VAC; manufacturer rated 100–250 VAC. 48 VDC and other options also available. Battery backup available
Power Consumption	30 W
Electrical Isolation	Transformer and optical isolation protect sensitive computer electronics from the potentially hazardous field signals of physical assets.
Temperature	0 to 55 or 70 °C operating, depending on enclosure; -30 to 85 °C storage
Humidity	0 to 95% humidity, non-condensing

OPTO 22
Count on it.

To find out more, visit www.m2m.opto22.com or call **877.m2m.opto**.