

Description

The SNAP-DATA is a special-purpose SNAP module that provides an easy way to log data from other SNAP I/O modules on the same rack. Used with an Opto 22 SNAP-IT™ unit or an Opto 22 SNAP Ethernet I/O™ system, the SNAP-DATA module records and saves 8–64 MB of data on a MultiMediaCard the size of a postage stamp. This data can then be retrieved from any authorized computer on the Ethernet network, wireless LAN, or over a modem.

The SNAP-DATA module contains a battery-backed real-time clock to time stamp data as it is logged. You can set or check the time through the Web pages built into the SNAP-IT unit or SNAP Ethernet I/O system.

Built-in Web pages are also used to remotely view and retrieve logged data, at intervals you set; or you can remove the MultiMediaCard from the module and read the data using a standard card reader, which plugs into a USB port, parallel port, or floppy disk drive. Data is logged to comma-delimited ASCII files on the MultiMediaCard, which is formatted with a FAT file system. Data is stored to flash memory with a lifetime capability of about 300,000 writes per sector.

The SNAP-DATA module also supplies additional storage space for Web pages loaded to the SNAP Ethernet brain.

Part of the proven SNAP I/O® line of industrial hardware, the SNAP-DATA is ruggedly built for use in harsh indoor or outdoor environments. Typical applications include remote monitoring, local event logging, and recording alarm history and event sequence.

Part Number	Description
SNAP-DATA	Data logging module with battery-backed real-time clock

Drawing of module

Features

- Logs 8–64 MB of data for remote retrieval
- Uses a standard MultiMediaCard
- Battery-backed real-time clock
- 0° to 70° C operating temperature
- Works with Opto 22 SNAP-IT-ADS units or SNAP-B3000-ENET brains
- Up to eight data logging modules per rack
- 30-month warranty.

Specifications

Logic supply voltage	5.0 VDC
Logic supply current	250 mA DC
Maximum number of modules per rack	8
Brain compatibility	SNAP-B3000-ENET only
Cards supported	8, 16, 32, 64 MB MultiMediaCard
Real-time clock Accuracy Aging	±50 ppm 5 ppm/year
Battery life	>4 years
Operating Temperature Storage Temperature	0° to 70° C -30° to 85° C

LED	Indicates
Red	Low battery or Error
Green	OK

Dimensions

Dimensional drawing.
The data logging module is the same form factor as other SNAP I/O modules, but is slightly taller.