



Example Part Numbers

- For data logging of two sensor interface units with periodic download of stored data by RS232 connection use *i3000-2-NO-NO*
- For remote monitoring by cellular telephone network in USA of a controller with two sensor interface units use *i3000-2-NO-G1*
- For network operation from controller with two sensor interface units and on site data transfer by spread spectrum radio use *i3000-2-2G-NO*
- For remote monitoring by cellular telephone network in USA of six sensor interface units and remote wireless network with spread spectrum radio to other units on site, use *i3000-6-2G-G1*

The i3000 Controller provides the backbone of the iSite® remote monitoring system. It consists of a WINBOND W77LE58 CPU with 512 KB of data storage saved in circular FIFO requiring zero power backup. The onboard operating system supports up to 8 devices connected with its advanced serial communication bus. The self-booting operating system is stored in 32 KB of nonvolatile RAM. Each controller has a programmable ID. Up to 256 controllers can be run in one network through wired or wireless connection. The i3000 can be ordered with a built-in radio and/or modem. The i3000 also supports external 3rd party radios and modems.

Combine an i3000 Controller with multiple i3100 sensor interface devices to collect data from up to 128 sensors with a single controller.

SPECIFICATIONS:

POWER SUPPLY

Main Internal Battery: 3.6 VDC
7000 mAh NiMH rechargeable
External: 7.5 to 20 VDC via Hirose miniature connector

POWER CONSUMPTION

Average current in continuous operation: 50 mA
Average current in standby mode: 10 mA

OPERATING ENVIRONMENT

Temperature: -25° to +80°C
NEMA 4 moisture resistant enclosures

PERIPHERAL INTERFACES

RS232 using 38,000-baud ASCII protocol with one start bit, one stop bit, eight data bits, no parity via Hirose miniature connector
2, 3 or 8 Serial Interface Buses via MIL-C-26482 12-10 S circular bayonet lock connectors

STANDARD PACKAGES *i3000-XX-YY-ZZ*

XX - Number of External Ports
3: External ports
8: External ports (7 if modem or radio used, 6 if both used)
YY - Radio Option
NO: No radio
9M: 900 MHz
2G: 2.4 GHz spread spectrum

ZZ - Modem Option
NO: No modem
LL: Landline
CD: CDMA (USA only)
G1: GSM800/1900 (NA only)
G2: GSM900/1800 (outside NA)