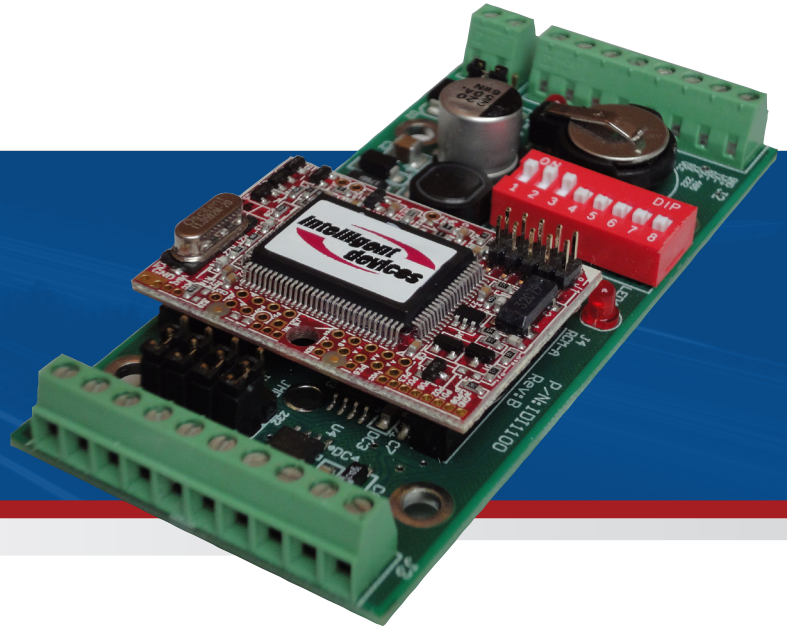


## IDI 1100 NTCIP Field Device Controller



The IDI 1100 is a revolutionary low-cost approach to the implementation of field devices that require NTCIP conformant communication. The very small size and powerful performance of the IDI 1100 controller makes it the perfect engine to control small signs, traffic count systems, weather stations, cameras or any custom application where NTCIP communication is required.

The module is provided with NTCIP communications built in, so the only custom development required is the interfacing of the module to the applicable field sensor or output device. A full-function RS232 connector at one end allows interfacing via modem to a central computer, while the serial port at the other end is connected to the field device. On-board jumper-selectable RS485 provides the flexibility to manage a network of IDI 1100's on both serial ports.

### IDI 1100 Features:

- > Low cost NTCIP implementation
- > Small size, powerful performance
- > Two serial ports are provided
- > Watchdog supervision is standard
- > Includes a time clock module
- > Battery backup maintains system memory and real time clock



## **HARDWARE CONFIGURATION**

<b>Module Size</b>	3.74" x 1.77" x .63" (overall, including : 95mm x 45mm x 16mm connectors)
<b>Attachment:</b>	Qty. 4, 0.156" (4mm) holes
<b>Operating Temp:</b>	-40°C to +74°C (-40°F to +165°F)
<b>Humidity:</b>	5-95% non-condensing
<b>Power Requirement:</b>	8-30 V AC or DC
<b>Processor Speed:</b>	22.1 MHz
<b>SRAM:</b>	128 kB (standard)
<b>Flash:</b>	256 kB (standard)
<b>Serial Ports:</b>	2 Total 1 - RS232 Full Hardware Flow Control 1 - RS232 TX, Rx Gnd Either / both serial ports jumper selectable to RS485
<b>Watchdog Supervisor:</b>	Yes
<b>Time/date Clock:</b>	Yes
<b>Battery Back up:</b>	Yes
<b>Temperature Sensor:</b>	Yes
<b>LED:</b>	4 - Heartbeat, Rx, Tx, Diagnostics
<b>Switches:</b>	8 position DIP

## **SOFTWARE SPECIFICATION**

### **PROTOCOL STACKS SUPPORTED**

Direct Connect (RS-232):	Data Objects > SNMP > Null > PMPP > RS-232 > DB9M
Direct Connect (RS-485):	Data Objects > SNMP > Null > PMPP > RS-485 > Twisted Pair
Dial-Up:	Data Objects > SNMP > Null > PMPP > V Series Modem > Telephone Co

### **STANDARD MASTER OID TABLES**

1201 - Global Objects  
1203 - Dynamic Message Signs  
1204 - Environmental Sensor Systems  
1205 - CCTV Camera Control  
1209 - Transportation System Sensors  
Custom Conformance Group Configuration available

### **PROGRAMMING**

Custom device drivers programmed in "C", running as a separate task in a real time multi-tasking operating system.

### **OPTIONS**

- > Training
- > Application Assistance
- > Telephone Support
- > Upgrades and Enhancements

### **ORDERING INFORMATION**

IDI 1100 - Base Controller