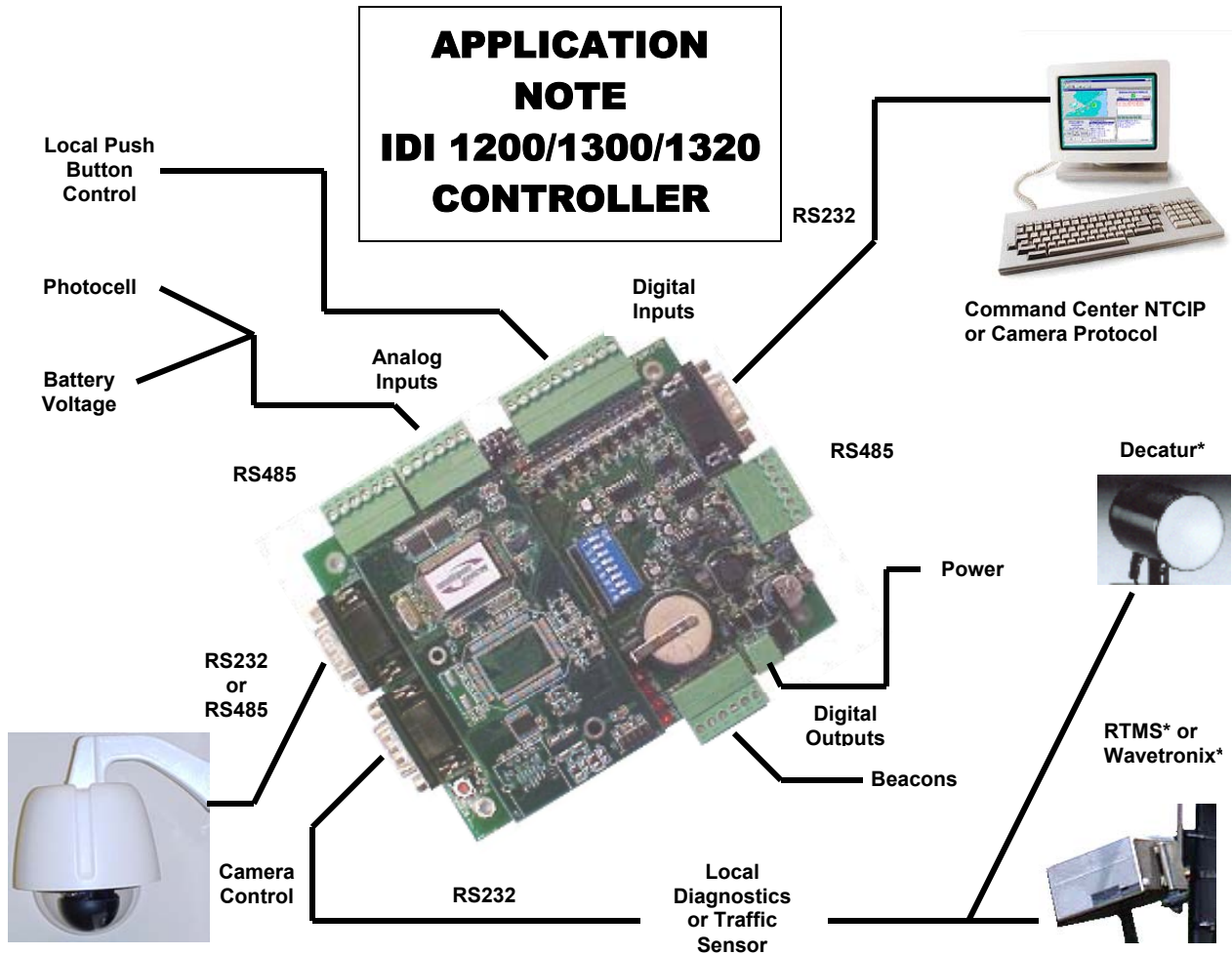




Introducing NTCIP Camera & Sensor Controller



The IDI family of low-cost powerful controllers provides an OEM solution for a wide range of ITS applications. The combination of small form factor, low cost, low power, flexibility and a powerful multi-tasking NTCIP* engine make this core module an ideal solution for integrated sign, variable speed limit, camera, and traffic sensor control.

This approach can make significant project savings through more effective use of the system communication infrastructure.

Intelligent Devices Inc. is committed to providing a line of powerful and easy-to-use products for the Intelligent Transportation Systems industry.

Specification

HARDWARE SPECIFICATION

Module Size (overall, including connectors)	:	5.7" x 4.8" x .6" (Standard) 144mm x 122mm x 18mm (Standard) 5.7" x 4.8" x .9 (Ethernet) 144mm x 122mm x 24mm (Ethernet)
Attachment	:	4 N° x .156" (4mm) holes
Operating Temp	:	-40°C to +70°C
Humidity	:	5-95% non-condensing
Power Requirement	:	8-30 V AC or DC – Less than 100mA
Digital I/O	:	8 inputs 4 outputs
Analog Inputs	:	4 Inputs – 12 bit accuracy
Processor Speed	:	22.1 MHz
SRAM	:	512 kB (standard)
Flash	:	512 kB (standard)
Serial Ports	:	4 Total 1 – RS232 Full Hardware Flow Control 2 – RS232 Full Hardware Flow Control or 4 Wire RS485 1 – TTL – Tx, Rx, Gnd
Watchdog Supervisor	:	Yes
Time/date Clock	:	Yes
Battery Back up	:	Yes
Temperature Sensor	:	Yes
Keyboard and LCD	:	Optional – connect via serial port
LED	:	4 – Heartbeat, Rx, Tx, Diagnostics
Switches	:	Reset 8 position DIP
Ethernet (Optional)	:	10 BaseT with 2 diagnostic LED's

SOFTWARE SPECIFICATION

Protocol Stacks Supported

Direct Connect	:	Data Objects → SNMP → Null → PMPP → Twisted Pair
Dial Up	:	Data Objects → SNMP → Null → PMPP → V Series Modem → Telephone Co Data Objects → SNMP → UDP/IP → PPP → V Series Modem → Telephone Co
Ethernet	:	Data Objects → SNMP → TCP/IP → Ethernet Data Objects → SNMP → UDP/IP → Ethernet

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

* NTCIP is a trademark of AASHTO/ITE/NEMA.

*Decatur, RTMS, and Wavetronix are trademarks of their respective manufactures

