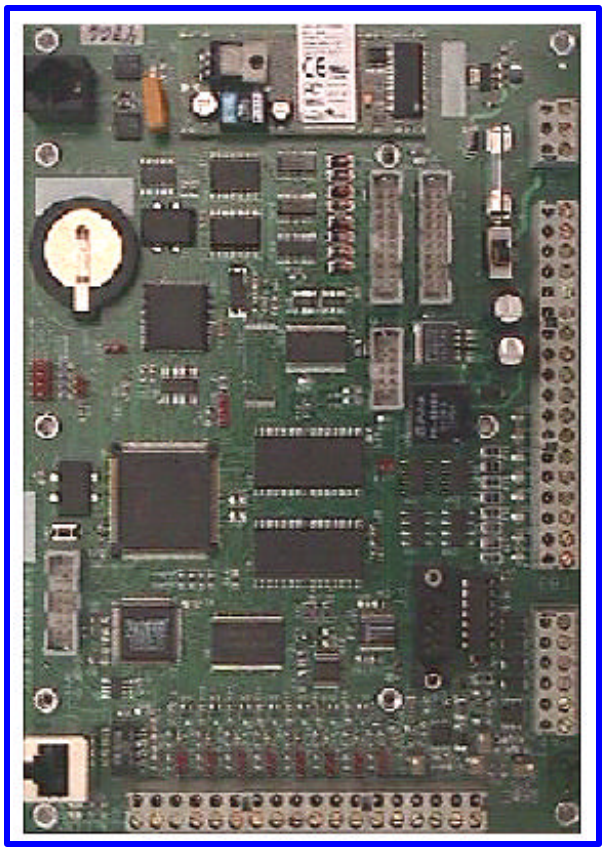
ISAC

Data Sheet

PCMNet



Network Master/Slave

Apply a single PCMNet as a complete stand alone controller with full programmability OR configure as Modbus Master/Slave for input-output networking.

Internet Connectivity

Use dial-up feature to connect the PCMNet to an ISP, or use the **10BaseT** *port for local ethernet connection and access the entire system via the internet. Supports internet protocols:*

TELNET, HTTP, SMTP, DHCP

Capacities:

8-16*	Dig Out	2	Serial Ports
8-16*	Dig In	1	Modbus Port
2	Analog Out	1	10BaseT (Ethernet) Ports
8-16*	Analog In	16	Modbus Slaves
256	Points	32	Registers/Slave
256	Rules	16	Mailboxes
8	Optimizers	120	Alarm Log Items
4	Sequencers	2160	Activity Log Items
8	PID Blocks	64	Maint. Log Items
32	Schedules	32	User Logs
32	Holidays	6144	Tot User Log Items

** Expanded input/output counts require optional expansion boards*

APPLICATIONS:

- Energy Management and Monitoring
- HVAC/Refrigeration /Lighting Control
- Process Control and Monitoring
- Analog Measurement and Verification

FEATURES:

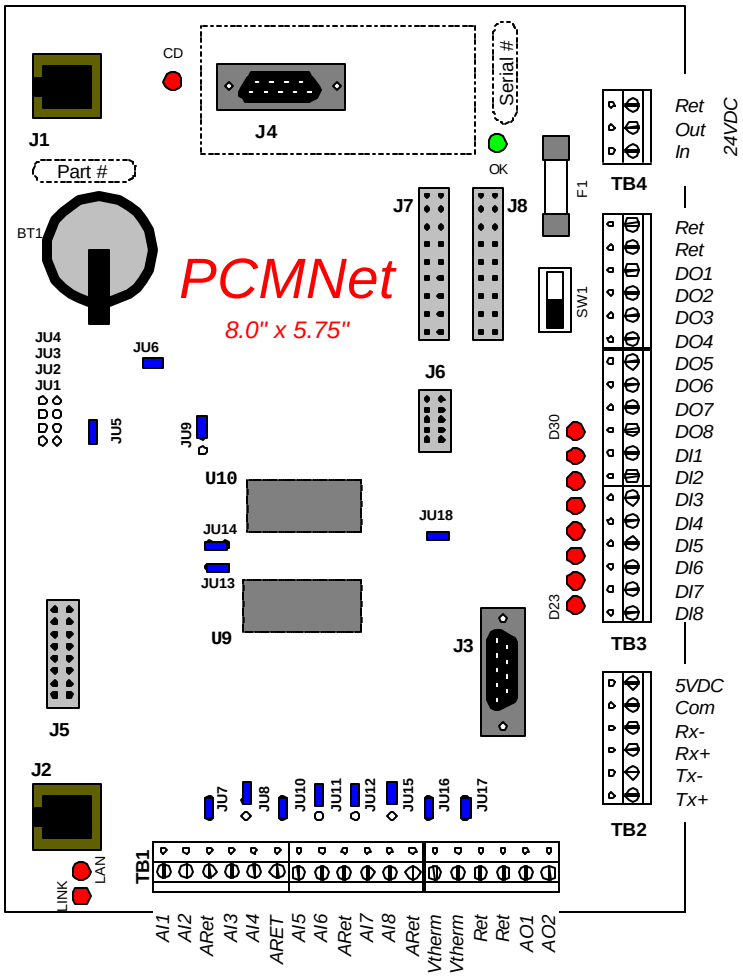
- **Download Firmware**
- Digital or Analog Output Control
- Expansion Connectors
- Digital or Analog Input Monitoring
- **On Board 10BaseT port**
- Modbus Networking (master or slave)
- On-Board Modem Option (33600 baud)
- Battery Backup (clock, data, logs)
- **Sends E-mail Messages**
- **Web Page Status / HTTP Log Reports**
- **Automatic Log-on to ISP**

TriNet OPER. SYSTEM:

- Fullpage Operator Displays via Serial Ports
- Menu Driven Navigation
- Fill-in-the-blank Logic Creation
- Review Real Time Data
- View Multiple Data Points Simultaneously
- Alarm Callout (pagers, cell phones, etc.)
- Build and Extract Historical Logs
- Operator Program Stored in Flash Memory

Integrated Systems and Control, Inc. PO Box 7682 Auburn, CA. 95604 (530) 878 9038 www.isacinc.com

PCMNet



ITEM	TYPE	QTY	LOC	+	SIG	-	JMP	SW	DESC
POWER INPUT	24VDC	1	TB4	24VDC In		Ret	JU18=ON		min 1.0 amp
	Fuse	1	F1						1.25 amp, 250V
	Battery	1	BT1				JU6=ON		Panasonic CR2032
ANALOG INPUTS	4-20ma	1-8	TB1		AIx	ARet	JUy=ON		x=1-8;y=7,8,10-12,15-17
(8) configurable	0-5VDC	1-8	TB1	TB4-24Out	AIx	ARet	JUy=OFF		x=1-8;y=7,8,10-12,15-17
	Thermistor	1-8	TB1	Vtherm	AIx		JUy=OFF		x=1-8;y=7,8,10-12,15-17
ANALOG INPUT EXPAND	(same as above)	9-16	J6						see AIXP Data Sheet
DIGITAL OUTPUTS	24VDC sinking transistor	1-8	TB3	24VDC	DOx				x=1-8, 50 ma max
RELAY OUTPUTS	2 amp, 24V	1-8	J7						replace DO's w/ RLY80
	2 amp, 24V	9-16	J8						adds 8 relay outputs
DIGITAL INPUTS	dry contact	1-8	TB3		DIx	Ret			x=1-8
	dry contact	9-16	J8						connect to Rly80
ANALOG OUTPUTS	0-24VDC	1-2	TB2		AOx	RET			x=1-2
SERIAL PORT 1	Modem, OR	1	J1						modem = RJ11 (33600)
	Terminal		J4						DB9 male (115200)
SERIAL PORT 2	Terminal	1	J3						DB9 male (115200)
I/O NETWORK	Modbus	1	TB2	Tx+/Rx+		Tx-/Rx-			RS484/RS422
ETHERNET	10BaseT	1	J2						RJ45