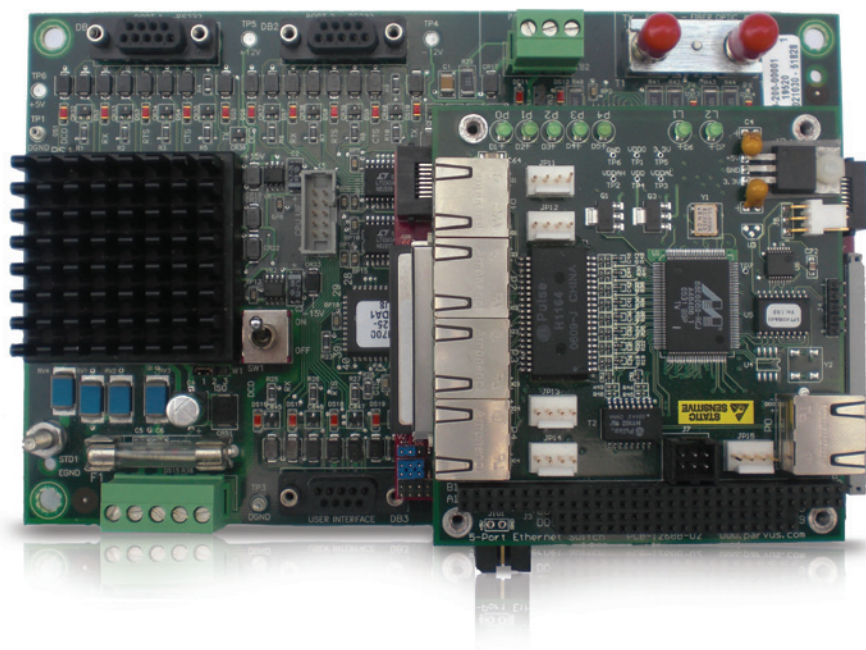


SAGE 1410

Smart and compact data concentrator /
protocol converter / gateway solution



Make the most of your energySM

Schneider
Electric[™]

SAGE 1410

Features

Compact Footprint (8"W x 5"L x 2"H)

Two — Built-in 10/100 Mbps Ethernet® ports (independent IPs)

Optional — four port Ethernet switch

Two RS232 w/LEDs for DCD, RX, RTS, CTS and TX (Expands to 10)

One RS485 w/LEDs for RX and TX (2 wire operation)

One Fiber Optic communications w/LEDs for RX and TX

Separate PPP port for serial dial-up

AMD LX-800 500 MHz CPU with 1 GB flash memory

Non Windows® OS

PC/104™ bus architecture for easy future upgrades

Browser based "UIF" User Interface Configuration Tool
(Uses Internet Explorer®)

*no proprietary software required.

Designed for Electric Utility applications

- Meet IEEE 472, ANSI C37.90 SWC
- Meet C37.90.1 standards

Optional on board GPS Receiver

Optional IRIG-B Input/Output

On board LEDs show operational status

- Power / Full Comm Status indications

Full three Year Warranty Standard

IP Sec Security

- HTTPS
- Encryption
- SSL/SSH
- Firewall

Complete MTU/ IED protocol library (standard with every unit)

Accepts 12-33VDC Input Power directly

Optional 125 VDC/20-60 VDC/120 VAC power supply

Specifications

CPU/Memory	
Processor / Speed	AMDLX-800, 500 MHz
DRAM	256 MB
BB RAM	2 MB
Compact Flash	1 GB
Bios Flash	1 MB
Real Time Clock	±10 sec per day (115ppm)
Battery	3.0V Rechargeable Lithium Model BR2330A (Standby power for 10+ years)
Communications	
Ethernet	2 built-in 10/100 BASE-T (RJ45) Independent IPs
Serial	2 RS232 (DB-9) (up to 10 with expansion modules) 1 RS485 (3-wire Phoenix connector) 1 Fiber Optic (multi-mode with ST type connectors)
PPP/Console	RS232 (DB-9)
Serial Speeds	300-115,200 bps
Protocols	Synchronous and asynchronous
Power Requirements	
Input Voltage	12 to 33VDC required by the baseboard
Optional Power Sources	120/240VAC, 48VDC, 129VDC with optional supply
Input Power	10.5 Watts typical
Input/Output Isolation	500 VDC
Environmental	
Operating Temperature	-40° to +85° C
Relative Humidity	5% to 95%, non-condensing
Transient Protection	All user field connections designed to pass IEEE 472-1974, ANSI C37.90-1979 (R1982), ANSI C37.90.1-1989
Visual Indications	
Baseboard	RTU input power LED 5 LEDs per RS-232 COMM port (DCD, RX, RTS, TX, CTS) 2 LEDs per RS-485 COMM port (TX, RX) 2 LEDs per Fiber Optic COMM port (TX, RX)
PC/104 CPU LEDs	Primary Ethernet Link/Activity Primary Ethernet Link Speed Secondary Ethernet Link/Activity Secondary Ethernet Link Speed
Size	
Baseboard	8"x 5"x 2" (includes CPU)
User Interface	
Web Browser	Internet Explorer®
Ethernet	10/100 BASE-T (RJ45)
PPP	38.4kbps (RS232)

Schneider Electric USA, Inc.

4701 Royal Vista Circle
Fort Collins, CO 80528
Phone: 1-866-537-1091
Fax: 970-223-5577
www.schneider-electric.com/us