Product data sheet

Specifications

EcoStruxure Panel Server - advanced datalogger, energy server, 24 VDC

PAS800L

Product availability: Stock - Normally stocked in distribution facility

Main

Range	EcoStruxure
Product name	Panel Server Advanced
Product or Component Type	Gateway
Device short name	PAS800L
Device Application	Gateway & energy server Data logger
[Us] rated supply voltage	24 V DC
Communication gateway	Ethernet TCP/IP to wireless devices Ethernet/serial

Complementary

Product Compatibility	Wireless access point
Communication port protocol	Modbus TCP DHCP HTTPS NTP/SNTP IPv4 IPv6 TCP/IP
Communication port support	2 RJ45 ETHERNET Screw terminal block RS485
Number of server device(s)	32 Modbus RTU product(s) 128 Modbus TCP/IP product(s) 40 wireless (IEEE 802.15.4) product(s) - mixed 85 wireless (IEEE 802.15.4) product(s) - depending on configuration
Number of devices	64 Modbus TCP/IP
Number of inputs	2 digital
Connections - terminals	Discrete I/O screw terminal block top) 0.0002…0.002 in² (0.14…1.5 mm²) Power supply screw terminal block top) 0.002…0.004 in² (1.5…2.5 mm²) Communication screw terminal block bottom) 0.0002…0.002 in² (0.14…1.5 mm²)
Tightening torque	Discrete I/O: 2.21 lbf.in (0.25 N.m) Power supply: 5.3 lbf.in (0.6 N.m) Communication: 2.21 lbf.in (0.25 N.m)
Wire stripping length	Power supply: 0.3 in (7 mm) Communication: 0.3 in (7 mm) Discrete I/O: 0.3 in (7 mm)
Mounting Mode	Clip-on
Mounting Support	DIN rail

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product Certifications	CE cULus CB RCM UKCA FCC IC DNV Marine ANSI RF IACS E10
Standards	IEC 61010 IEC 61010-1 IEC 61010-2-201 UL 61010 UL 61010-1 UL 61010-2-201 EN 61010-1 EN 61010-2-201 CAN/CSA C22.2 No. 61010-1-12 CAN/CSA C22.2 No. 61010-2-201 IEC 62974-1 IEC 61326-1 EN 61326-1 ETSI EN 301 489-1 ETSI EN 301 489-17 EN 301-893 EN 55032 CISPR 11 ETSI EN 300 328 IEEE 802.15.4 IEEE 802.11a/b/g/n IEEE 802.3 af/at FCC CFR 47 part 15 class A EN 62311 IEC 62311 IEC 60945 EN 62974-1
Depth	2.8 in (70.2 mm)
Height	3.7 in (93 mm)
Width	2.8 in (72 mm)
Net Weight	6.6 oz (186 g)
Data recording	Historical dashbaording and trending 3 years data logs
Data buffer for data publication (cloud, SFTP, HTTPS) depending on network	3 month(s)
Function Available	Embedded web page for configuration and upgrade Diagnosis capabilities Diagnostic report Diagnostics on communication Embedded data logger Event Logger Energy management With integrated web server Firmware update Configurable event Backup/restore configuration CSV export
Product Specific Application	Wireless Schneider Electric devices ecosystem
Topology	Separated Ethernet network Switched Ethernet network
Web services	HTTPS server SFTP publication (CSV / JSON) HTTPS publication (CSV / JSON) Alarm notification by e-mail

Communication Service	Device Profile for Web Services (DPWS) Modbus TCP client Modbus TCP server SNTP client DHCP client Web server (energy & operation efficiency) RSTP
Commissioning interface	EcoStruxure Power Commission desktop EcoStruxure Power Commission Mobile (through Wi-Fi Access point) EcoStruxure Power Commission web (for third party device integration) Web page
Realtime clock	With RTC-battery set With user calibration
Time synchronisation protocol	NTP SNTP
Range compatibility	EcoStruxure Facility Expert EcoStruxure Building Operation EcoStruxure Power Operation EcoStruxure Power Monitoring Expert EcoStruxure Asset Advisor EcoStruxure Energy Hub EcoStruxure Resource Advisor Third party SCADA
Communication interface	Modbus and wireless (IEEE802.15.4) product

Environment

Relative humidity	5…95 %
IP degree of protection	IP40 front face) IP20 casing)
Ambient air temperature for operation	-13…158 °F (-25…70 °C) < 6561.68 ft (2000 m) -13…140 °F (-25…60 °C) 2000...4000 m
Derating factor	With temperature derating of -1 °C per 200 m 4000...5000 m
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Pollution degree	3
Operating altitude	< 5000 m

Ordering and shipping details

Category	US10PL109785
Discount Schedule	0PL1
GTIN	3606481014351
Returnability	Yes
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.543 in (9.000 cm)
Package 1 Width	3.543 in (9.000 cm)
Package 1 Length	4.331 in (11.000 cm)
Package weight(Lbs)	9.841 oz (279.000 g)
Unit Type of Package 2	S03

Number of Units in Package 2	27
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	17.988 lb(US) (8.159 kg)

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	51
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	3f06bd1f-f04f-4301-bb9a-5353a242283d
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen content performance	Halogen free plastic parts & cables product
PVC free	Yes

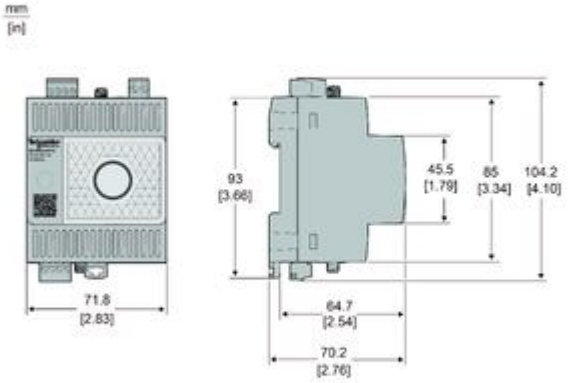
Use Again

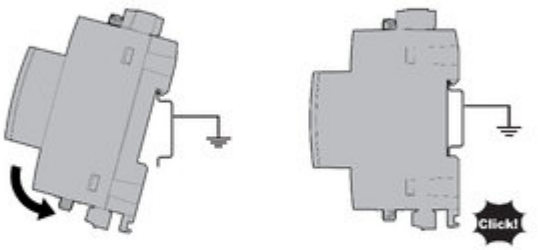
Repack and remanufacture

Circularity Profile	End of Life Information
Removable battery	No
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Technical Illustration

Dimensions



Technical illustration

Product Installation