



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

Maximum power consumption in W	3.5 W 24 V
Communication network type	Ethernet, 10/100BASE-T Wi-Fi2.4 GHz Wi-Fi5 GHz Wireless, IEEE 802.15.4 Modbus RTU, Modbus RTU client even/odd or none parity, at 1.2...115.2 kbit/s
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	32 server device(s)Modbus RTU - without repeater 128 server device(s)Modbus RTU - with repeater 128 server device(s)Modbus TCP 40 server device(s)IEEE 802.15.4
Number of clients	64 Modbus TCP server
Memory capacity	32 GB eMMC 512 MB NAND
Number of inputs	2 dry-contact/pulse
Connections - terminals	Discrete I/O: screw terminal block (top) 0.14...1.5 mm ² cable(s) Power supply: screw terminal block (top) 1.5...2.5 mm ² cable(s) Communication: screw terminal block (bottom) 0.14...1.5 mm ² cable(s)
Tightening torque	Discrete I/O: 0.25 N.m Power supply: 0.6 N.m Communication: 0.25 N.m
Wire stripping length	Power supply: 7 mm Communication: 7 mm Discrete I/O: 7 mm
Connector type	RP-SMA antenna
Mounting mode	Clip-on
Mounting support	DIN rail
Product certifications	CE[RETURN]cULus[RETURN]CB[RETURN]RCM[RETURN]UKCA[RETURN]FCC[RETURN]PSE[RETURN]RoHS[RETURN] Marine[RETURN]ANSI RF

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This information 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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	70.2 mm
Height	93 mm
Width	72 mm
Net weight	186 g
Data recording	Historical dashbaording and trending 3 years data logs
Data buffer	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)
Communication service	Device Profile for Web Services (DPWS) Modbus TCP client Modbus TCP server SNTP client DHCP client DHCP server Web server (energy & operation efficiency)
Commissioning interface	EcoStruxure Power Commission desktop EcoStruxure Power Commission web (for third party device integration) Web page
Realtime clock	With RTC-battery set Without any 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

Environment

Relative humidity	5...95 %
IP degree of protection	IP40 (front face) IP20 (casing)
Ambient air temperature for operation	-25...70 °C at < 2000 m -25...60 °C at 2000...4000 m
Ambient air temperature for storage	-40...85 °C
Pollution degree	3
Operating altitude	0...4000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.000 cm
Package 1 Width	9.300 cm
Package 1 Length	11.300 cm
Package 1 Weight	280.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.159 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
Halogen content performance	Halogen free plastic parts & cables product