Product datasheet

Specifications



EcoStruxure Panel Server - advanced datalogger, energy server, 110-277 VAC/DC

PAS800

Main

Range	EcoStruxure
Product name	Panel Server Advanced
Product or component type	Gateway
Device short name	PAS800
Device application	Gateway & energy server Data logger
[Us] rated supply voltage	110...277 V AC 50/60 Hz 110...277 V DC
Communication gateway	Ethernet TCP/IP to wireless devices Ethernet/serial

Complementary

Product compatibility	Wireless access point
Maximum power consumption in W	3.5 W 110...277 V
Maximum power consumption in VA	12 VA at 110...277 V
Communication network type	Wi-Fi infrastructure5 GHz Wi-Fi infrastructure2.4 GHz Ethernet 10/100BASE-T Wi-Fi access point2.4 GHz Wireless IEEE 802.15.4 Modbus RTU Modbus RTU client even/odd or none parity 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 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
Memory capacity	HW V2: 64 GB eMMC HW V1: 32 GB eMMC HW V1: 512 MB NAND
Number of inputs	0
Connections - terminals	Power supply: screw terminal block (top) 1.5…2.5 mm² cable(s) Communication: screw terminal block (bottom) 0.14…1.5 mm² cable(s)

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

Tightening torque	Power supply: 0.6 N.m Communication: 0.25 N.m
Wire stripping length	Power supply: 7 mm Communication: 7 mm
Number of connectors	2 screw connector for Wi-Fi and IEEE 802.15.4
Connector type	connector(s)1 x RP-SMA Wi-Fi for antenna bottom connector(s)1 x RP-SMA IEEE 802.15.4 for antenna top
Mounting mode	Clip-on
Mounting support	DIN rail
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	70.2 mm
Height	93 mm
Width	72 mm
Product weight	206 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 iinterface	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	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Pollution degree	2
Operating altitude	< 2000 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	9.000 cm
Package 1 Length	11.200 cm
Package 1 Weight	271.000 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	7.927 kg

Contractual warranty

Warranty (in months)	18

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

Total lifecycle Carbon footprint	**133 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**21 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.2 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**111 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.6 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**3f06bd1f-f04f-4301-bb9a-5353a242283d**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
Halogen-free status	**Halogen free plastic parts & cables product**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

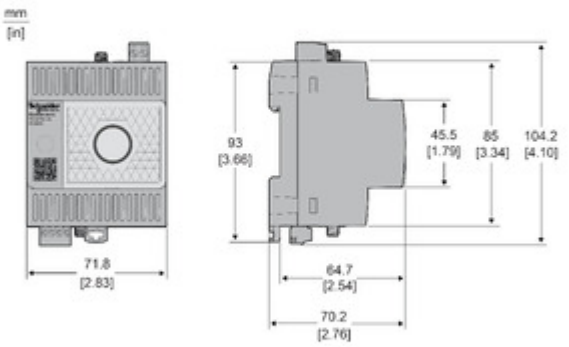
Use Again

Repack and remanufacture

Recyclability potential, in %	**1**
End of life manual availability	**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

