



|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Range                     | EcoStruxure                                            |
| Product name              | Panel Server Advanced                                  |
| Product or component type | Gateway                                                |
| Device short name         | PAS800P                                                |
| Device application        | Gateway<br>Energy server<br>Data logger                |
| Supply                    | Via PoE                                                |
| Communication gateway     | Ethernet TCP/IP to wireless devices<br>Ethernet/serial |

|                                |                                                                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum power consumption in W | 3.5 W via PoE                                                                                                                                                                                                              |
| Communication network type     | Ethernet, 10/100BASE-T<br>Ethernet, PPPoE (Point-to-Point Protocol over Ethernet)<br>Wi-Fi2.4 GHz<br>Wi-Fi5 GHz<br>Wireless, IEEE 802.15.4<br>Modbus RTU, Modbus RTU client even/odd or none parity, at 1.2...115.2 kbit/s |
| Communication port protocol    | Modbus TCP<br>DHCP<br>HTTPS<br>NTP/SNTP<br>IPv4<br>IPv6<br>TCP/IP                                                                                                                                                          |
| Communication port support     | 2 RJ45: ETHERNET<br>Screw terminal block: RS485                                                                                                                                                                            |
| Number of server               | 32 server device(s)Modbus RTU - without repeater<br>128 server device(s)Modbus RTU - with repeater<br>128 server device(s)Modbus TCP<br>40 server device(s)IEEE 802.15.4                                                   |
| Number of clients              | 64 Modbus TCP server                                                                                                                                                                                                       |
| Memory capacity                | 32 GB eMMC<br>512 MB NAND                                                                                                                                                                                                  |
| Number of inputs               | 0                                                                                                                                                                                                                          |
| Connections - terminals        | Communication: screw terminal block (bottom) 0.14...1.5 mm² cable(s)<br>Power supply: screw terminal block (top) 1.5...2.5 mm² cable(s)<br>Discrete I/O: screw terminal block (top) 0.14...1.5 mm² cable(s)                |
| Tightening torque              | Communication: 0.25 N.m<br>Discrete I/O: 0.25 N.m<br>Power supply: 0.6 N.m                                                                                                                                                 |
| Wire stripping length          | Power supply: 7 mm<br>Communication: 7 mm<br>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]<br>Marine[RETURN]ANSI RF                                                                                                                               |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                     | IEC 61010<br>IEC 61010-1<br>IEC 61010-2-201<br>UL 61010<br>UL 61010-1<br>UL 61010-2-201<br>EN 61010-1<br>EN 61010-2-201<br>CAN/CSA C22.2 No. 61010-1-12<br>CAN/CSA C22.2 No. 61010-2-201<br>IEC 62974-1<br>IEC 61326-1<br>EN 61326-1<br>ETSI EN 301 489-1<br>ETSI EN 301 489-17<br>EN 301-893<br>EN 55032<br>CISPR 11<br>ETSI EN 300 328<br>IEEE 802.15.4<br>IEEE 802.11a/b/g/n<br>IEEE 802.3 af/at<br>FCC CFR 47 part 15 class A<br>EN 62311<br>IEC 62311<br>IEC 60945<br>EN 62974-1 |
| Depth                         | 70.2 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Height                        | 93 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Width                         | 72 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Net weight                    | 184 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Data recording                | Historical dashbaording and trending<br>3 years data logs                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Data buffer                   | 3 month(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function available            | Embedded web page for configuration and upgrade<br>Diagnosis capabilities<br>Diagnostic report<br>Diagnostics on communication<br>Embedded data logger<br>Event Logger<br>Energy management<br>With integrated web server<br>Firmware update<br>Configurable event<br>Backup/Restore configuration<br>CSV export                                                                                                                                                                      |
| Product specific application  | Wireless Schneider Electric devices ecosystem                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Topology                      | Separated Ethernet network<br>Switched Ethernet network                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Web services                  | HTTPS server<br>SFTP publication (CSV / JSON)                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Communication service         | Device Profile for Web Services (DPWS)<br>Modbus TCP client<br>Modbus TCP server<br>SNTP client<br>DHCP client<br>DHCP server<br>Web server (energy & operation efficiency)                                                                                                                                                                                                                                                                                                           |
| Commissioning interface       | EcoStruxure Power Commission desktop<br>EcoStruxure Power Commission web (for third party device integration)<br>Web page                                                                                                                                                                                                                                                                                                                                                             |
| Realtime clock                | With RTC-battery set<br>Without any user calibration                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Time synchronisation protocol | NTP<br>SNTP                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Range compatibility           | EcoStruxure Facility Expert<br>EcoStruxure Building Operation<br>EcoStruxure Power Operation<br>EcoStruxure Power Monitoring Expert<br>EcoStruxure Asset Advisor<br>EcoStruxure Energy Hub<br>EcoStruxure Resource Advisor                                                                                                                                                                                                                                                            |

## Environment

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Relative humidity                     | 0...93 %                           |
| IP degree of protection               | IP40 (front face)<br>IP20 (casing) |
| Ambient air temperature for operation | -25...70 °C                        |
| Ambient air temperature for storage   | -40...85 °C                        |
| Pollution degree                      | 2                                  |
| Operating altitude                    | < 2300 m                           |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 8.8 cm   |
| Package 1 Width              | 9 cm     |
| Package 1 Length             | 11.2 cm  |
| Package 1 Weight             | 276 g    |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 27       |
| Package 2 Height             | 30 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 8.106 kg |

## Offer Sustainability

|                             |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                             |
| REACH Regulation            |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive           | Compliant with Exemptions                                                                                                         |
| China RoHS Regulation       |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information  |  <a href="#">Yes</a>                           |
| Environmental Disclosure    |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile         |  <a href="#">End Of Life Information</a>       |
| 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                                                                                       |