

Low-Cost Sensor for One Digital Probe, Ethernet Interface and PoE

code: PA8611



The PA8611 is a universal network sensor designed to connect one digital temperature probe or a combined temperature and humidity probe. The device brings significantly broader power options (5–24 V) along with native PoE support.

This model is ideal for applications with limited access or remote measuring points, where it enables precise measurement of temperature or a combination of temperature and humidity using an external probe located directly at the required measurement point.

The device supports up to four user accounts with different rights, encrypted communication, and modern communication protocols. It features an improved alarm system where two independent limits can be set for each channel.

Thanks to the Ethernet interface, PoE power, and support for industrial protocols, the PA8611 is ideal for integration into building monitoring systems, data centers, and industrial applications.

Main Benefits:

- Support for external digital temperature and humidity probes on a cable
- Allows probe connection up to 30 meters in length
- Power supply 5–24 V or PoE (IEEE 802.3af)
- Integrated backup memory
- Modern web interface, IPv4/IPv6 support, Modbus TCP, COMET Cloud, and fully encrypted communication (HTTPS, SNMPv3, TLS)
- Integrated detachable bracket for easy installation

Technical data

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| TEMPERATURE SENSOR | |
| Measuring range | Depending on the connected DSxx probe |
| Accuracy | Depending on the connected DSxx probe |
| Resolution | 0.1 °C |
| HUMIDITY SENSOR | |
| Measuring range | Depending on the connected DSxx probe |
| Accuracy | Depending on the connected DSxx probe |
| Resolution | 0.1% RH |
| GENERAL TECHNICAL DATA | |
| Operating temperature range | -30 to +60 °C |
| Measurement channels | 1× external temperature probe or 1× combined T+RH probe (cable-mounted), CINCH connector |
| Maximum probe cable length per channel | 30 meters |
| Supported temperature units | degrees Celsius (°C), degrees Fahrenheit (°F) |
| Power supply | Power over Ethernet (IEEE 802.3af) or 5–24 V DC |
| Network interface | Ethernet |
| IP support | IPv4, IPv6 |

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| Communication protocols | HTTP(s), Web server (WWW), HTTP GET (JSON, XML), Modbus TCP, SNMPv1, SNMPv2c, SNMPv3 |
| Alarm protocols | Email (SMTP), Syslog |
| Measurement interval | 2 s |
| Ingress protection (IP rating) | IP30 |
| Dimensions | 116 × 85 × 42 mm (without connected probe) |
| Weight | 180 g |
| Warranty | 3 roky |