

Querx WLAN PT

Pt100 / Pt1000 Wireless LAN Thermometer and Data Logger



Querx WLAN PT is a thermometer for usage with any Pt100 / Pt1000 temperature probe. The network connection is carried out either over Ethernet cable or over WiFi. Querx WLAN PT provides an integrated data logger, alert functionality and numerous interfaces for manual and automated data access.

The stand-alone device is configured and operated via a graphical web interface.

Querx WLAN PT supports several cloud services. So you have access to measured data at anytime and from everywhere via web, app and API.

Models



Querx WLAN PT100

Article EGN601415

Querx WLAN PT1000

Article EGN601715

Querx WLAN PT100 Set

Article EGN601315

Querx WLAN PT1000 Set

Article EGN601615

Set: Querx WLAN PT plus Ethernet cable, micro-USB cable, USB power supply (GB, EU, US or AU), CD with documentation

Fields of Application

- Production and quality assurance
- Food hygiene (cold storage rooms, refrigeration)
- Laboratory and pharmacy
- Server room and rack monitoring
- Building services (heating, air conditioning, ventilation)
- Summer house, conservatory
- Sauna or pool thermometer
- and many more

Features

Sensor

2-, 3- and 4-wire
Pt100 / Pt1000 cable probe

Network connection

100BaseT / RJ45 jack
WLAN 2.4 GHz IEEE 802.11 b/g/n

Data logger

Configurable logging interval
Capacity: 4 M records,
7.5 years (1 / min)
to 350 years (1 / h)

Web interface

Graphical web interface (HTTP/S)

Configuration

Automatic (Zeroconf, mDNS,
DHCP)

Export data formats

CSV
XML

M2M protocols

HTTP/S (XML, CSV, JSON)
SNMPv1
Modbus/TCP
Syslog

Cloud exports

Xively
ThingSpeak

Types of alerts

Temperature:
too high, too low
rising too fast, dropping too fast

Alert notifications

E-mails (StartTLS / TLS)
SNMP traps
Syslog messages
Audible and visual alarms

Calibration

Optional accredited calibration

Temperature units

°Celsius
°Fahrenheit
Kelvin

Languages

Documentation:
German, English
Software:
German, English

Specifications

Technical data		Environment	
Measuring range temperature (sensor dependent)	-200 °C to 750 °C (-328 °F to 1382 °F)	Operating conditions	-40 °C to 85 °C, max. 95 % rH (-40 °F to 185 °F, max. 95 % rH)
Accuracy temperature (sensor dependent)	±0.5 °C (0.9 °F)	Storage conditions	-40 °C to 85 °C, max. 95 % rH (-40 °F to 185 °F, max. 95 % rH)
Resolution temperature	0.1 °C (0.2 °F)	Mechanical data	
Sampling rate	1 second	Housing material	ABS thermoplastic, black, RAL 9011
Pt100 or Pt1000 connector	2-, 3- and 4-wire	Housing dimensions	66.3 x 50 x 20 mm (2.6 x 2 x 0.8 in) plus sensing cable
Calibration	Optional accredited calibration	Length sensing cable	340 mm (13.4 in)
Ethernet	10/100 Mbit RJ45, HP Auto-MDIX, static or dynamic IP (DHCP client)	Weight	63 g (0.2 lb)
System	Nut/OS 5	Connector	RJ45 (Ethernet), micro-USB
WLAN	2.4 GHz IEEE 802.11 b/g/n	Mounting	Wall mounting
WLAN security	WEP, WPA, WPA2	Certificates	
Firmware updates	Via web interface, rescue function	Interference immunity	EN 61326-1:2013 class A EN 61000-4-2:2009 EN 61000-4-3:2011 EN 61000-4-4:2013 EN 61000-4-6:2009 EN 61000-4-8:2010
Logging interval	Configurable	Emitted interference	EN 61326-1:2013 class B EN 55011:2011
Data capacity	4 M records, 7.5 years (1 / min) to 350 years (1 / h)	ETSI	EN300 328, Ver. 1.8.1 EN301.489 - 17
M2M	HTTP/S (XML, CSV, JSON), Syslog, Modbus/TCP, SNMP	Flammability class	UL94V-0
Web interface	Interactive chart, live update, HTML5, CSS3, XML and CSV	Protection mark	IP20
Security	Start/TLS, HTTPS, password protection, user management (3 users / 3 groups)	RoHS compliance	EU directive 2011/65/EU
E-mail	Up to 4 recipients via 2 SMTP servers	Conformity	CE conform
SNMP	SNMPv1 agent and traps		
Signaler	RGB LED, beeper		
Date / time	Battery backed real-time clock, SNTP update		
Power supply	5 VDC to 5.5 VDC over micro-USB		
Consumption	Typical 200 mA 1 W, max. 200 mA 1.5 W		

You can find more information about Querx on our websites sensors.egnite.de and www.egnite.de.

egnite GmbH
Erinstrasse 18
44575 Castrop-Rauxel
Germany

info@egnite.de
Tel. +49 (0) 23 05-44 12 56
Fax +49 (0) 23 05-44 14 87

egnite develops, produces and distributes smart sensor systems, embedded systems and media controls. For individual requirements, we modify our standard products according to your needs or corporately develop a specific solution.

egnite was founded in 1997 and is located in Castrop-Rauxel, Germany.