

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 million entries,
± 7.5 years (1 entry / min)
to 350 years (1 entry / 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

dweet.io, Palamoa,
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

Hardware and Interfaces		Ambient Conditions	
Pt100 or Pt1000 connector	2-, 3- and 4-wire	Operation	-40 to 85 °C, max. 95 % rF (-40 to 185 °F, max. 95 % RH)
Measuring range	-200 to 750 °C (-328 to 1382 °F)	Storage	-40 to 85 °C, max. 95 % rF (-40 to 185 °F, max. 95 % RH)
Accuracy	±0.5 °C (0.9 °F)	Mechanical data	
Resolution	0.1 °C (0.1 °F)	Casing material	ABS plastic, black, RAL 9011
Calibration	ISO or DAkkS certificate optionally available	Casing dimensions	66 x 50 x 20 mm (2.6 x 2 x 0.8 in)
Ethernet	10/100 Mbit RJ45, HP Auto-MDIX, static or dynamic IP (DHCP client)	Sensor cable	340 mm (13.4 in)
WiFi	2.4 GHz IEEE 802.11 b/g/n	Weight	63 g (0.2 lb)
WiFi security	WEP, WPA, WPA2	Connectors	RJ45 (Ethernet), micro-USB
System	Nut/OS 5	Installation	Wall mounting
Firmware updates	Via web interface, recovery feature	Certificates	
Logging interval	Customizable	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
Memory capacity	4 million entries, △ 7.5 years (1 entry / min) to 350 years (1 entry / h)	Emitted interference	EN 61326-1:2013 class B EN 55011:2011
M2M interfaces	HTTP/S (XML, CSV, JSON), Syslog, Modbus/TCP, SNMP	ETSI	EN300 328, Ver. 1.8.1 EN301.489 - 17
Web interface	Interactive diagram, live update, HTML5, CSS3, XML and CSV export	Flammability rating	UL94V-0
Security	Start/TLS / TLS, HTTPS, password protection, user management (3 users / 3 groups)	Protection class	IP20
Email	Up to 4 recipients and 2 SMTP servers	RoHS standard	EU directive 2011/65/EU
SNMP	SNMPv1 agent and traps	Conformity	CE conform
Signaller	RGB LED, beeper		
Time / Date	Real-time clock with battery backup and SNTP update		
Power supply	5 to 5.5 V DC via micro-USB		
Power consumption	Typ. 200 mA, 1 W Max. 300 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.