

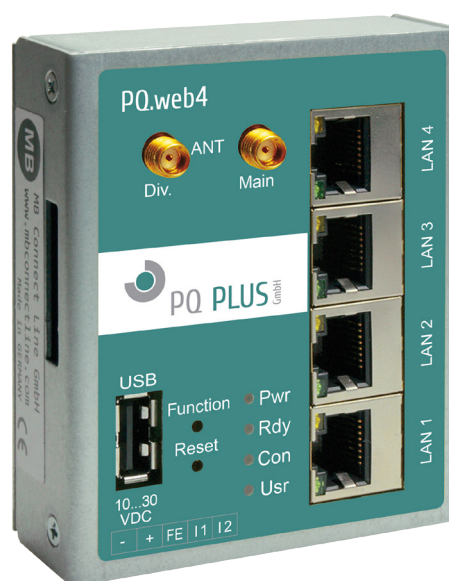
PQ.web4 – Router

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data sheet



The PQ.web router is a particularly compact industrial router for installation on the DIN top hat rail. It provides secure, IP-based access to our Ethernet devices via a remote service platform. This not only allows you to call up the power quality and consumption data remotely, but also to parametrise and configure your devices.

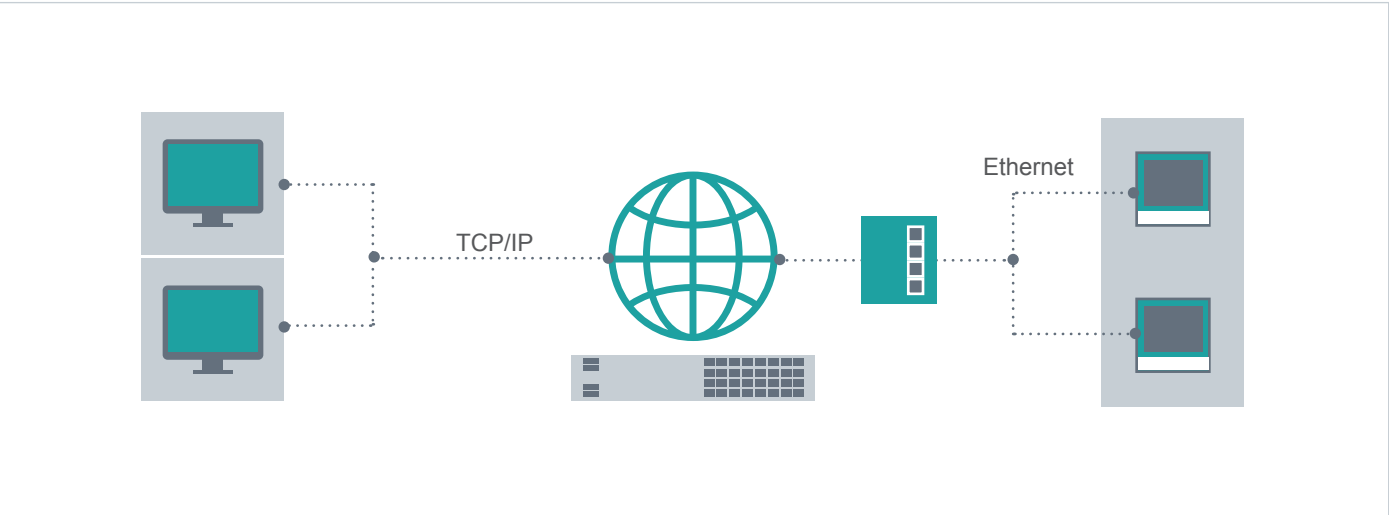
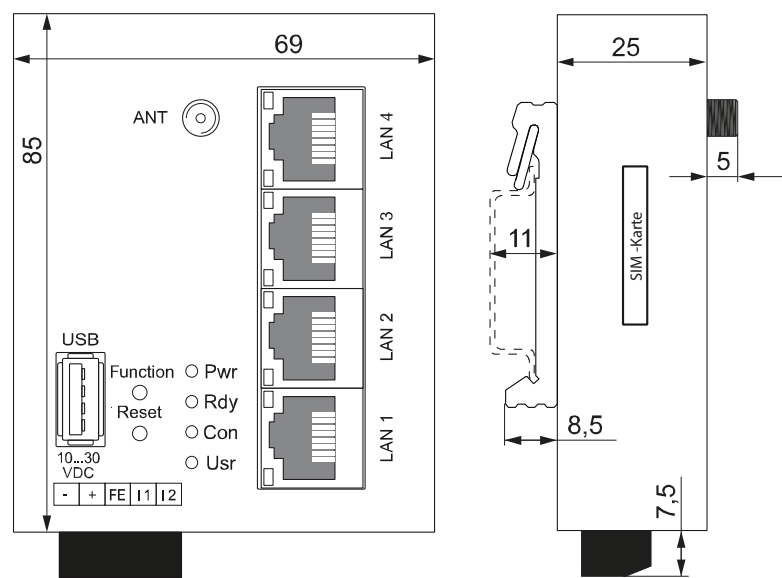
- Integrated Ethernet switch (4-port)
- Supports GPRS, EDGE, UMTS and HSPA+
- 2 digital inputs for establishing a connection to the remote service platform
- OpenVPN security protocol
- Ideal for M2M applications
- Robust metal housing for DIN top hat rail installation



PQ.web4

Supply voltage	Functions		Communication					Type	Item no.
	Remote maintenance	Digital inputs	Modem	Antenna	LAN	WLAN	USB		
10 ... 30 V DC	•	2	2//3G/4G (LTE)	•	4	-	•	PQ.web4	57.00.0804

Dimensional drawings



Technical data

Designation	PQ.web4.0
Voltage	10 ... 30 V DC (SELV and Limited Energy circuit)
Current consumption	max. 250 mA @ 24 V
Protection class IP	IP 20
Range of application	Dry environment
Temperature (operation)	0 ... 50 °C
Temperature (operation) HW1*	-40 ... 75 °C
Temperature (storage)	-20 ... 60 °C
Temperature (storage) HW1*	-40 ... 85 °C
Humidity	0 ... 95 % non-condensing
Dimensions W x H x D [mm]	69 x 38.5 x 92.5
Weight	240 g
Assembly	DIN top hat rail installation
Interfaces	
USB interface	1 x
Digital input	2 x
LAN interface	4 x
SIM card reader (for mini SIM)	1 x
SMA socket	2 x
RP-SMA socket	-
GSM modem 3G (UMTS)	-
GSM modem 4G (LTE)	1 x
WLAN modem	-
Interface description	
LAN interface	10/100 MBit/s full and half duplex operation, automatic patch cable detection / Cross-over cable (auto-detection)
USB interface	USB Host 2.0
Digital input	10 ... 30 V DC (Low 0 - 3.2 V DC, High 8 - 30 V DC)
VPN	
VPN protocol	OpenVPN, 1 Tunnel
Encryption method	Blowfish
Encryption algorithms	MD5, SHA1
Authentication	Pre-Shared-Key, X.509
Network/Security	
Firewall	1:1 NAT, IP filter, port forwarding, stateful inspection
IP router	NAT-IP, TCP/IP routing, IP forwarding
Services	DHCP-Client, NTP-Client
Time alignment	NTP server
Communication	
GSM/GPRS/ EDGE	900, 1800 MHz; max. 236 kbps
HSxPA	850, 900, 2100 MHz; Downlink max. 42 Mbps, Uplink max. 5.76 Mbps
FCC	FCC ID: R17LE910NA
LTE	800 (B20), 1800 (B3), 2600 (B7) MHz; Downlink max. 100 Mbps, Uplink max. 50 Mbps