WACHENDORFF
Prozesstechnik GmbH & Co. KG

Remote maintenance starter kit Ewon Cosy+ WLAN: Industrial broadband VPN router

- Internet access via WAN (Ethernet) or WLAN
- Integrated switch for machine LAN
- Secure and firewall-friendly thanks to VPN technology
- Direct connection option for PLCs, HMIs, webcams, etc.
- Remote access to Ethernet and USB devices
- SD card slot for easy configuration
- Multilingual web interface for configuration

https://www.wachendorff-prozesstechnik.de/en/ewon-cosy-plus-WLAN-Starterkit

Description

As a machine manufacturer, you can drastically reduce your costs with remote maintenance of machines via the Internet, as you no longer have to visit the customer directly on site.
The Ewon Cosy+ industrial routers are VPN routers that are equipped with additional routing functions so that your machine LAN is always secure against unauthorized access from outside.
They have an integrated web interface for quick and easy setup.
Since the Ewon router is used together with the Talk2M connection service, machine builders and system integrators can use the Internet to optimize the efficiency of technicians supporting machines at customer sites: faster connection setup, higher bandwidth, reliable communication.

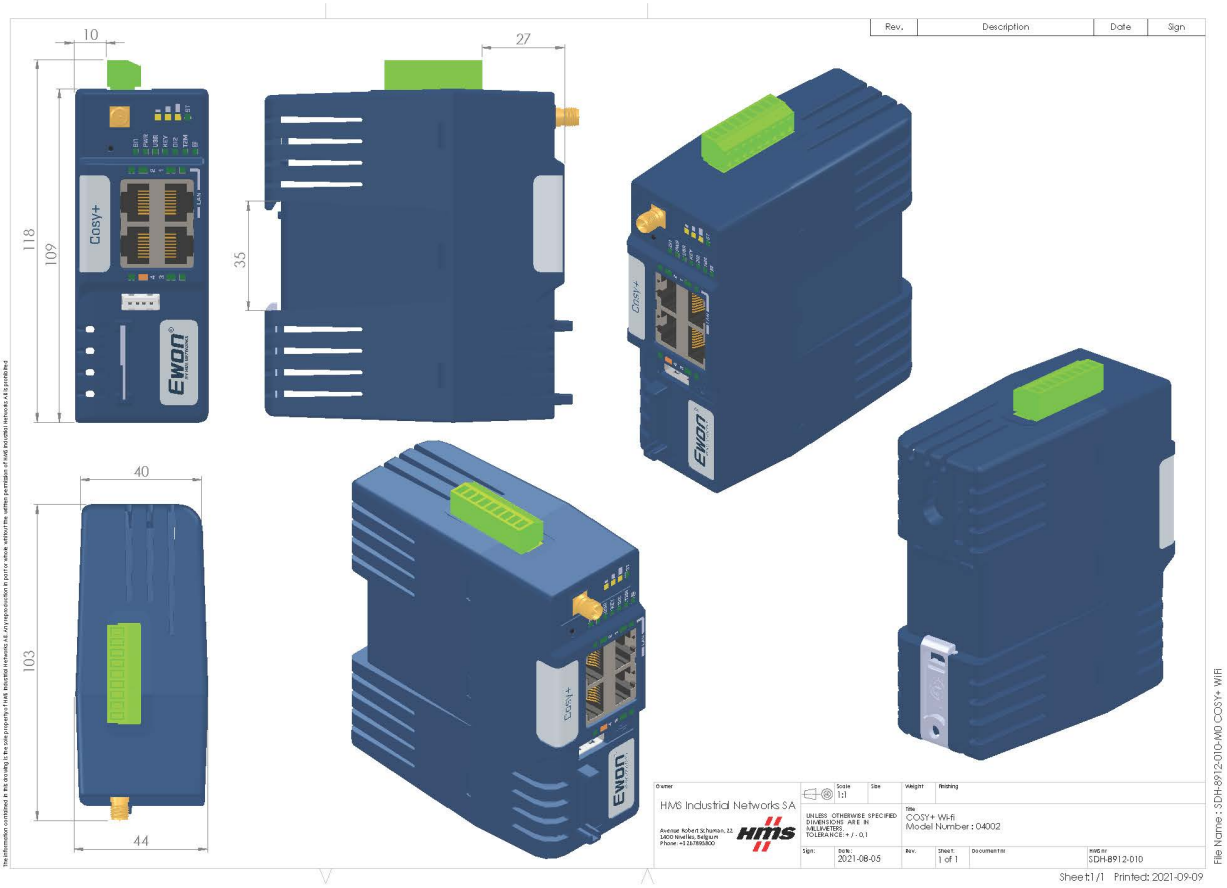
Product details

Supported devices	Any PLC/device with Ethernet TCP/IP
Security:	OpenVPN version 2.4.9 in SSL UDP or HTTPS mode. It is used SSL / TLS version 1.2 is used for session authentication and the ESP protocol for secure tunnel transport via UDP. X509 PKI (Public Key Infrastructure) is supported for session authentication. The digital signature algorithm (DSA) used is The TLS protocol is used for the "key exchange", the cipher-independent EVP interface (AES256) for the encrypted tunnel connection and the HMAC-SHA1 algorithm for the tunneled data. Connection release optionally possible via key switch. Two-way authentication possible. Hardware-supported encryption enables the use of authenticated and signed firmware versions. The encryption keys are stored in a protected area in the device.
Real-time clock:	Integrated; synchronization via HTTP (manual) or NTP (automatic)
Configuration:	Via web server, FTP or SD card
Inputs and outputs:	• 2x digital input (0 to 24 VDC) • 1x digital output (MOSFET, 200 mA)
Interfaces:	• 1x to 4x LAN RJ45 Ethernet 10 / 100 Mbit/s (freely configurable) • 0x to 3x WAN RJ45 Ethernet 10 / 100 Mbit/s (freely configurable) • 1x USB socket • 1x SD card slot
Power supply:	12 to 24 VDC +/- 20% @ 30 Watt max.
Operating temperature:	Operation: -25 °C to + 60 °C
Relative humidity:	10 to 95%, non-condensing
Assembly:	DIN rail or wall mounting
Weight:	202 g
Dimension HxDxW (mm):	108.8 x 98.3 x 43.6
Certificates and approvals:	CE, UL, FCC, R&TTE
Protection class:	IP20
Scope of delivery:	- Ewon Cosy+ - Plug-in power supply, 230 VAC - 2 Ethernet cables - USB stick
Manufacturer:	HMS Industrial Networks AB
Antenna connection:	RP-SMA socket
WLAN standard:	IEEE 802.11 a/b/g/n, 2.4 and 5 Ghz WLAN client or access point function Supported channels 1 to 11 Output power at 2.4 GHz is 2.0 dBi Output power at 5 GHz is 4.5 dBi
WLAN security:	Client: WEP, WPA, WPA2 Access point: WPA2
WLAN antenna:	Plug-on antenna included in the scope of delivery Note: When using accessory antennas, observe the permissible transmission power.

Products Order no.

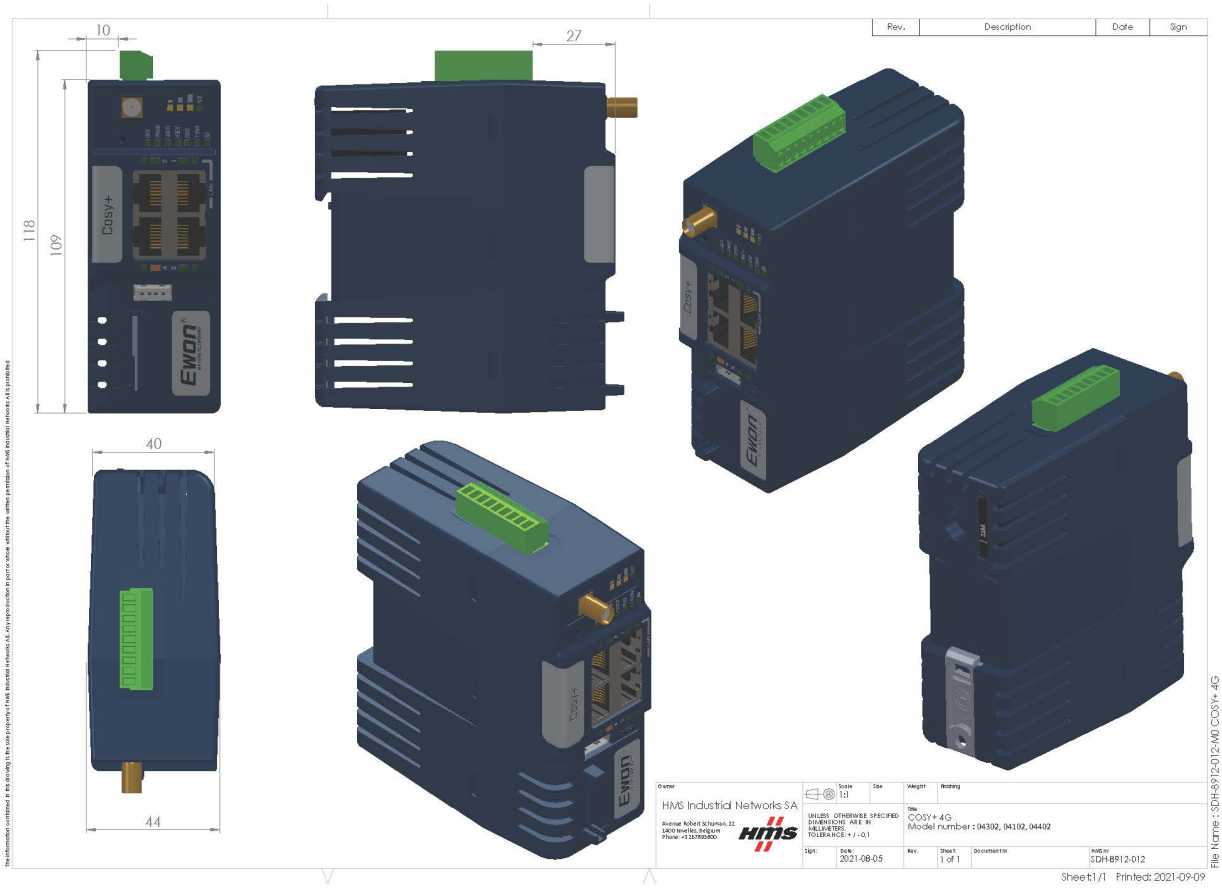
Drawings

Cosy+ Wifi dimensions



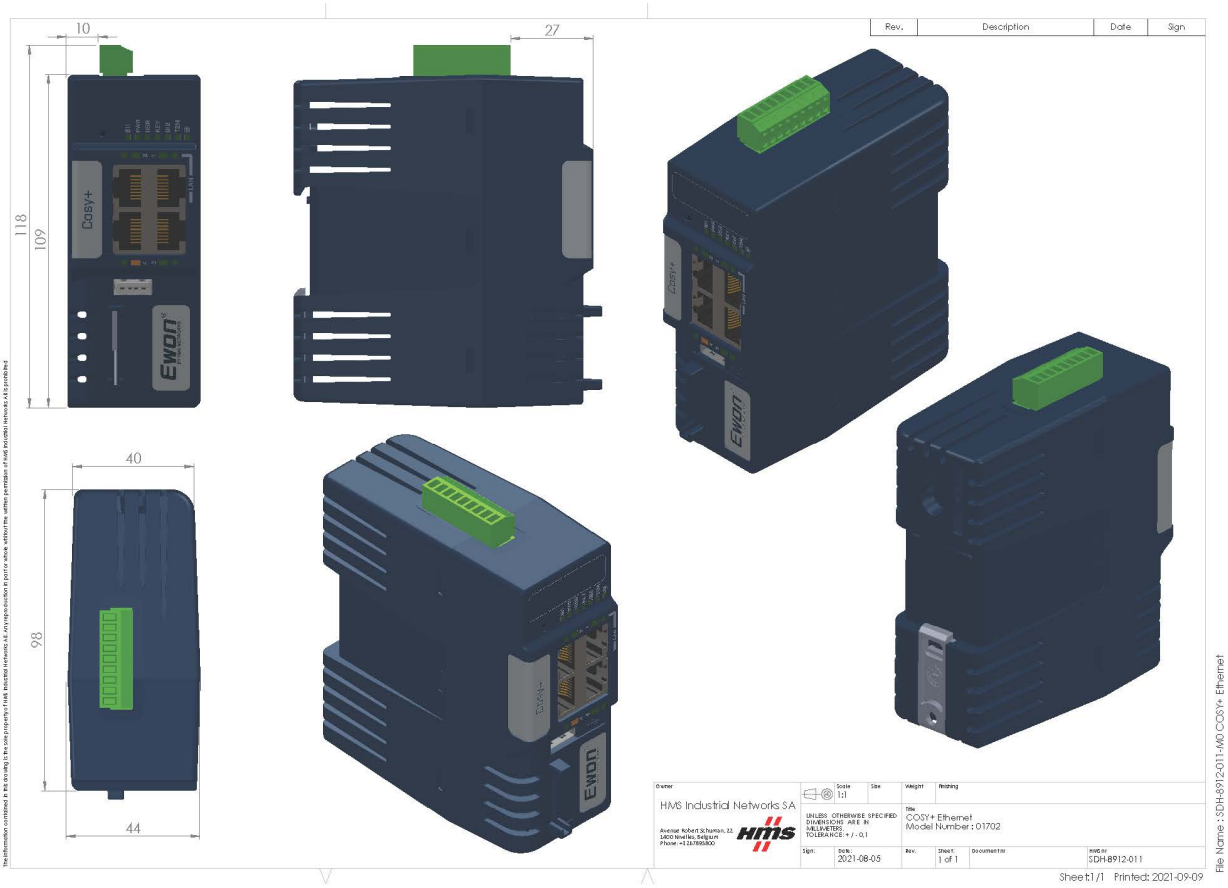
Drawings

Cosy+ 4G dimensions



Drawings

Cosy+ Ethernet dimensions



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