Ewon Edge 420 Gateway-WiFi

Item number: EE420

Ewon Edge 420 is a high-performance industrial gateway for managing large machine fleets. With powerful processing capabilities, cloud connectivity, and real-time machine status visibility, it provides a robust foundation for remote access and advanced troubleshooting. This enables teams to diagnose issues faster and maintain reliable operations across the entire fleet.



A powerful gateway that unifies secure remote access with cloud connectivity for faster, smarter troubleshooting across your machine fleet.

Features and benefits

Access control & User management

Oversee how users access Ewon Cloud and what resources they can reach, backed by secure authentication and detailed activity tracking.

Scalable device organization

Lets you structure machines into clear groups and clusters, making it easy to manage multi?site or multi?project deployments as your fleet grows.

Designed for everyday efficiency

From configuration to access control, every interaction is built to make things easy: faster deployment, smoother operations, and a gateway that supports your operations.

Security & networking

Secures every connection between your gateways, cliud services, and industrial assets with encryption and strict authentication to prevent data exposure.

Built to stand the test of time

Evolves through ongoing enhancmeents that support your long-term IIoT strategy.

Built for fleets of any size

Whether you manage 5?gateways or?5,000, there's a subscription tier designed to match your scale without unnecessary complexity.

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General

Internal Storage	10
Related Accessories	FAC70201_0000, FAC70101_0000
Net Width (mm)	25
Net Height (mm)	120
Net Depth (mm)	151
Net Weight (g)	151
Packed Width (mm)	39
Packed Height (mm)	138
Packed Depth (mm)	178
Packed Weight (g)	217
Operating Temperature °C Min	-25C
Operating Temperature °C Max	+60C
Storage Temperature °C Min	-30C
Storage Temperature °C Max	+70C
Relative Humidity	Operating: -25C to +60C, 10 to 95% relative humidity (non-condensing). Storage: -30C to +70C, 10 to 95% relative humidity (non-condensing).
Input Voltage (V)	15 - 24 Vdc +/-20%, LPS.
CPU	Dual core
RAM	2
Power Connector	8-pole

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General

Configuration	Device configuration through Ewon Cloud or USB
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	1

Data Features

Router Features	Proxy, NAT, IP filtering, Port forwarding, NAT 1 :1, Multiple subnets
VPN	Open VPN either through UDP 1194 or TCP 443 (HTTPS port).
VPN Security	Communications between the remote user and the Ewon gateway are encrypted , thereby ensuring data authenticity, integrity & confidentiality. LAN and WAN networks are segregated to restrict remote user access to the LAN. Remote access, data and configuration channels are separated to enable or disable communication channels independently. Secure Element to store sensitive data and cryptographic keys.

Identification and Status

Product ID	EE420
Model Code	02003
Country of Origin	Belgium
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	2x digital input: 0 to 24 Vdc; 1.5kVdc isolation. 1x relay output: max 500mA; 1.5kVdc isolation
WAN Specification	4 x RJ45 Ethernet 1 GbE/Gbps. 3 LAN ports and 1 WAN port.
LAN Specification	4 x RJ45 Ethernet 1 GbE/Gbps. 3 LAN ports and 1 WAN port.
Contains Battery	No

Wireless Features

Antenna Connector	RP-SMA Male (WiFi)
Antenna	Included

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Wireless Features

Wifi Standards	IEEE 802.11 a/b/g/n, single stream and dual-band 2.4/5GHz

Safety and Security

Safety Standards	The product fulfils the requirement of: EN IEC 62368-1:2020+A11:2020,CSA/UL 62368-1:2019,J62368-1(2023) AS/NZS 62368.1:2022, National standard SASO-IEC 62368-1:2020

Certifications and Standards

Product Certifications	CE, cURus, KC, UKCA, FCC, IC
UL Information	E350576
Other Certification	Japan: This device complies with Japanese regulations. Other: South Korea KC, RCM for Australia and New Zealand, Giteki (Japan)