SecureEdge Pro Gateway

IXON's advanced SecureEdge Pro gateway takes machine connectivity to the next level. The gateway makes it easier and more secure than ever for machine builders to stay connected to their machines and customers.



High-end security

The SecureEdge Pro gateway raises the bar for secure machine connectivity. The gateway contains an extra OT port to isolate the factory network from the internet, has a dedicated TPM chip and is IEC 62443 certified.

Docker apps

The gateway supports edge computing, making it easy to add intelligence locally to the machine. You can deploy your own Docker apps, or download pre-built Docker apps via the IXON Marketplace.

Ease-of-use

The gateway features a touch-screen to quickly access common settings and monitor connections. Featuring a compact, industrial design suitable for DIN rail mounting, the gateway ensures easy installation and setup.

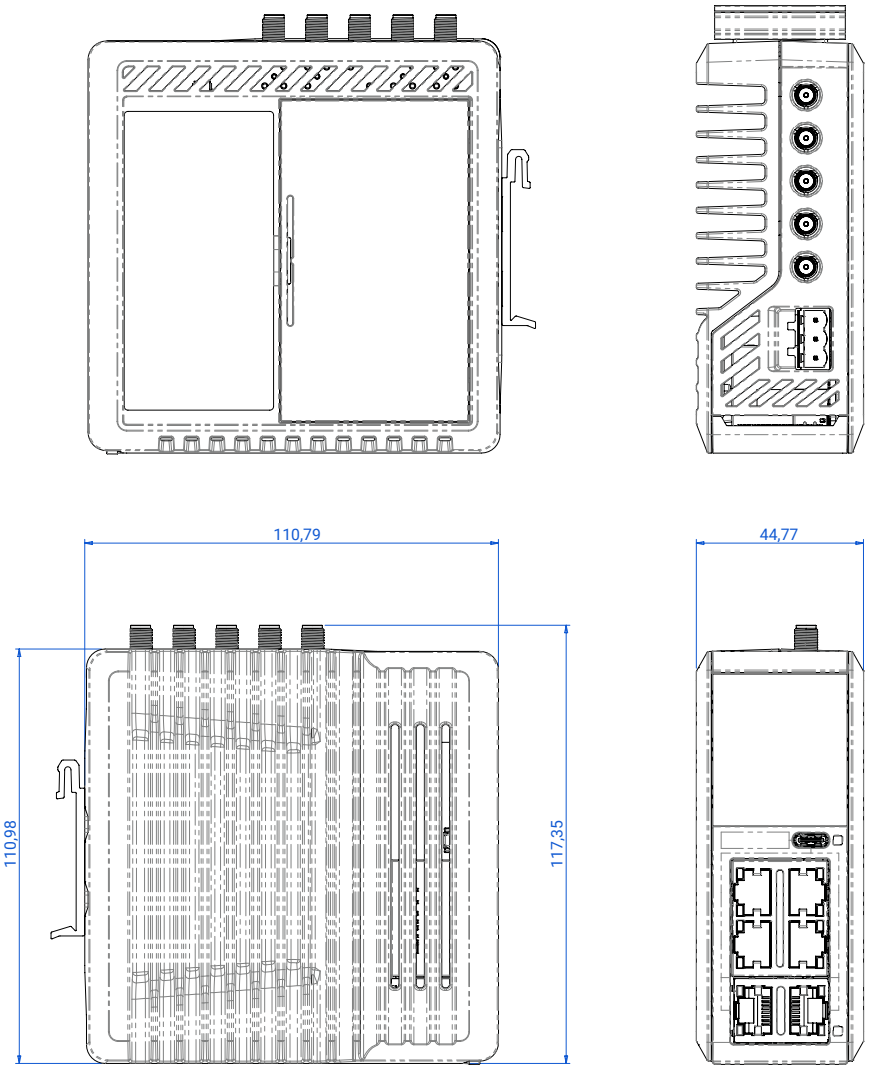
SecureEdge Pro gateway: The next level in machine connectivity

SecureEdge Pro versions				
Model	**IX6000**	**IX6010**	**IX6005**	**IX6015**
WiFi client and Hotspot	✗	✓	✗	✓
4G Global	✗	✗	✓	✓
GPS	✗	✗	✓	✓
Ethernet ports	4 x LAN, 1 x WAN (factory network / cloud) 1x configurable port for LAN or factory network			
System				
CPU	Quad-Core ARM Cortex-A55 1.8Ghz + NPU			
Memory (RAM)	4GB LPDDR4 (3GB available for Docker)			
Storage	32GB eMMC in pSLC mode for reliability, with 5GB user space			
Power supply	12-24 VDC +/- 20%			
Max. power consumption	22.5 W			
Expandable storage	Yes, PCIe SSD M.2			
Interfaces				
Ethernet	6x RJ45, 1 Gbps (4x LAN; 1x WAN; 1x OT/LAN)			
I / O	Configurable pin for Input or Output			
Other hardware	USB 3.0 (type C), eSIM, TPM 2.0, Nano sim card (4FF)			
Touchscreen	1.54" TFT full color LCD display, capacitive touch panel			
Led indicators	Power indicator, OT/LAN network indicator			
Physical characteristics				
Dimensions	111x111x45 mm (H x D x W)			
Weight	Approx. 0.556 kg			
Mounting	DIN rail			
Housing material	Cast aluminium heat sink, ABS plastic			
WiFi specifications (IX6010 and IX6015)				
WiFi version	IEEE 802.11bgnac (WiFi 5)			
Frequency	2.4 Ghz, 5 Ghz			
Speed (data rate)	Up to 867 Mbps			
Security	WEP, WPA, WPA2			
Modes	Access Point, Station			
Contains FCC ID	2AATL-8274B-PR			
Contains IC ID	24844-8274BPR			

Cellular / GNSS specifications (IX6005 and IX6015)	
Frequency bands	**LTE-FDD:** B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28 LTE-TDD: B38, B39, B40, B41 **WCDMA:** B1, B2, B4, B5, B6, B8, B19 **GSM/GPRS/EDGE:** B2, B3, B5, B8 **GNSS:** GPS, GLONASS, BeiDou, Galileo and QZSS
Speed (data rates)	**LTE-FDD:** Max. 150 Mbps (download) / Max. 50 Mbps (upload); **LTE-TDD:** Max. 130 Mbps (download) / Max. 30 Mbps (upload); **DC-HSPA+:** Max. 42 Mbps (download) / Max. 5.76 Mbps (upload); **WCDMA:** Max. 384 Kbps (download) / Max. 384 Kbps (upload); **EDGE:** Max. 296 Kbps (download) /Max. 236.8 Kbps (upload); **GPRS:** Max. 107 Kbps (download) / Max. 85.6 Kbps (upload)
SIM card	NanoSIM (4FF)
Contains FCC ID	XMR201903EG25G
Contains IC ID	10224A-201903EG25G
Environmental	
Operating temperature	-25°C to 60°C
Storage temperature	-25°C to 60°C
Humidity	10 to 95% non-condensing
Operating altitude	Up to a maximum of 2.000m
Protection class	IP20
Processor cooling	Passive with cast aluminium heat sink
Software	
Operating system	Linux-based
Docker apps	Yes, with SDK and standard apps at https://marketplace.ixon.cloud
Industrial protocols & IoT	OPC-UA, Modbus TCP, Siemens S7, Ethernet/IP, MELSEC, BACnet/ip and plain-text TCP. Support for MQTT to 3rd party cloud providers
Firmware management	Remote updates; via WAN and firmware-over-the-air (FOTA)
Configuration	Web server, USB-C, display, automatic registration
Security	IEC 62443-4-1 (Secure Software Development) and IEC 62443-4-2: (Secure Components) certified. Security Level 2 TPM 2.0 to secure cryptographic keys
Other software features	Remote access via USB-over-IP, local NTP server to keep time synced, local API for status and configuration from PLC

Dimensions - Technical drawing

Scale 1:2, dimensions in mm.



Want to find out more?

Learn more about IXON's solutions and visit:
www.ixon.cloud

If you have any questions, please visit:
www.ixon.cloud/contact

IXON