



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**



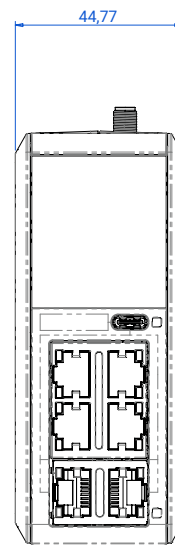
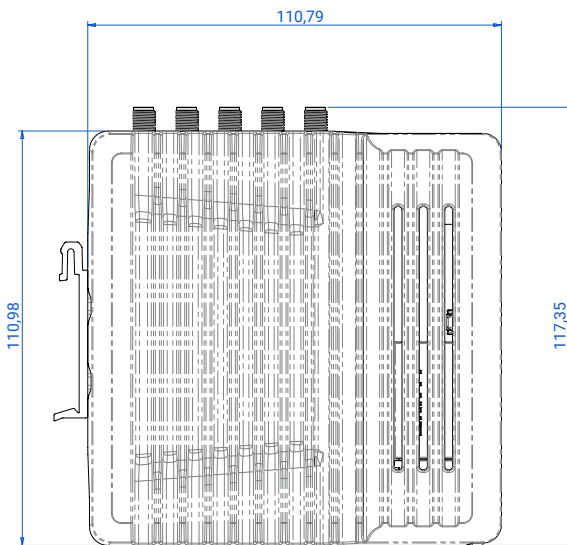
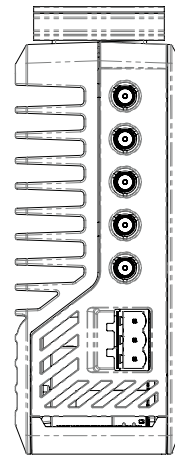
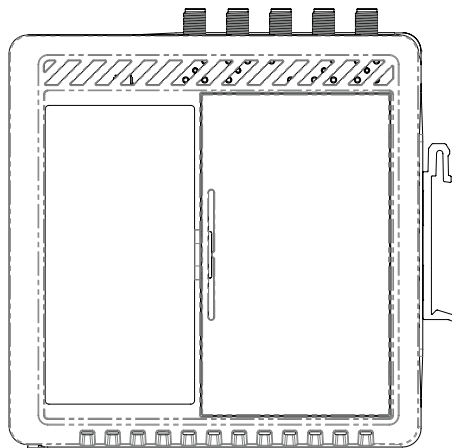
| SecureEdge Pro versions | | | | |
|---|---|--------|--------|--------|
| Model | IX6000 | IX6010 | IX6005 | IX6015 |
| WiFi client and Hotspot | ✗ | ✓ | ✗ | ✓ |
| 4G Global | ✗ | ✗ | ✓ | ✓ |
| GPS | ✗ | ✗ | ✓ | ✓ |
| Ethernet ports | 4 x LAN, 1 x WAN (factory network / cloud) 1x configurable port for LAN or factory network | | | |
| System | | | | |
| CPU | Quad-Core ARM Cortex-A55 1.8Ghz + NPU | | | |
| Memory (RAM) | 4GB LPDDR4 | | | |
| 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 | | | |
| 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



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