Anybus X-gateway IIoT – EtherNet/IP Scanner - OPC UA-MQTT

The Anybus X-gateway IIoT allows you to seamlessly inter-connect PLC control systems and their connected devices to the IIoT networks MQTT and OPC UA.

SAFE AND ISOLATED DATA MONITORING
The X-gateway IIoT's primary function is to allow the fast streaming of an industrial network into OPC UA and MQTT. This offloads your PLC from working with additional services while providing extra security by isolated the high-risk connections away from sensitive areas. In principle, the PLC gets its own firewall.

EASY CONFIGURATION - NO PROGRAMMING REQUIRED!
The connection between the two networks is quickly set up in the Anybus Configuration Manager software, included with the X-gateway. No programming skills are needed to set up the X-gateway.

Features and benefits

- Supports OPC UA micro-embedded profile
- Supports Discovery Services
- User name and password authentication
- Supports DataChange Subscription
- MQTT client acting as publisher
- Proven and tested with PLC's from all leading manufacturers
- Possibility to build web pages to display and control a factory floor

EtherNet/IP Scanner/Master interface

An Anybus X-gateway with an integrated EtherNet/IP Scanner interface can be used when there is no existing EtherNet/IP controlling PLC. The X-gateway will perform EtherNet/IP Scanner functions.

- EtherNet/IP CONFORMANCE TESTED™ by ODVA
- Connects up 64 EtherNet/IP Adapter/Slaves
- 10/100Mbit operation in full or half-duplex
- Max. 509 bytes Input and 505 bytes Output data
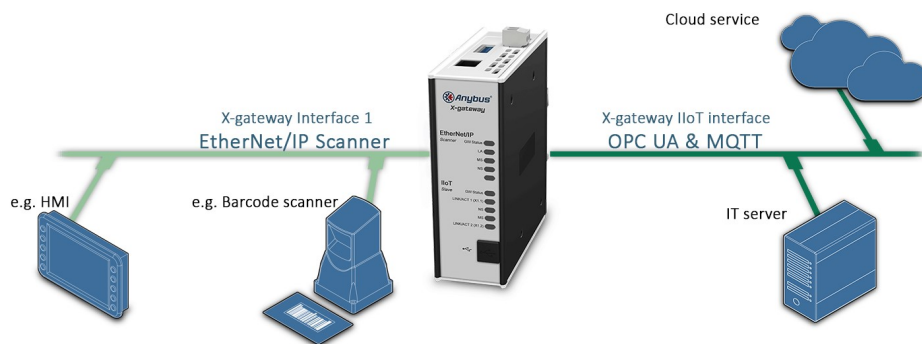- Optional Live List of the active status of the connected adapters

- Integrated FTP server provides easy file management using standard FTP clients.
- Web server with dynamic data capability and Server Side Include (SSI) capability
- Email client with dynamic data capability and Event-triggered email handling
- Support for CIP Objects
- DNS Capability
- TCP/IP settings via on-board DIP switches, DHCP/ARP/Anybus IPconfig (HICP)
- EtherNet/IP Scanner/Adapter network configuration via in-built web interface or RSLogix/Studio5000 software
- 1x RJ-45 Ethernet port

OPC UA
- Support for micro-embedded profile
- Data direction from server to client
- Supports Discovery Services
- Timestamp supported via discovery server
- User name and password authentication
- Supports DataChange Subscription
- Maximum 80 data point tags
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously

MQTT
- MQTT client acting as publisher
- MQTT version 3.1.1 supported
- Json data encoding supported
- QoS 0-2 supported
- User name and password authentication
- Maximum 256 data point tags
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously

TECHNICAL SPECIFICATIONS

Dimensions (L•W•H)	114 x 44 x 127mm or 4,49 x 1,73 x 5,00"

Weight	400g or 0,880 lbs
Operating temperature	-25 to +65 °C or -13 to +149 °F
Storage temperature	-40 to +85 °C or -40 to +185 °F
Power supply	24 VDC +/- 20% via 2-pole 5.08 mm Phoenix pluggable screw connector
Current consumption	max. 400mA (Typical 200mA)
Enclosure material	Aluminium and plastic
Installation position	Vertical / Flat*
Galvanic isolation	YES, on both BUS/Ethernet side
Mechanical rating	IP20, NEMA rating 1
Mounting	DIN-rail (EN 50022 standard)
I/O configuration	via USB port with Anybus Configuration Manager software
Certifications	CE, cULus, RoHS

File	Version	Size	Read online

Ordering information

Order Code	AB7553
Included components	Gateway Quick start documentation USB configuration cable Power supply **not** included Configuration software is available for download.

3 year guarantee. For purchasing instructions and terms and conditions, see: How to buy