



Gateway and node

Treon Gateway connects a mesh from few to hundreds of sensor nodes to backends. It collects, processes and transmits data to the cloud.

Treon Gateway supports a wide range of wired and wireless connectivity, can integrate with any cloud platform, is extendable and runs edge applications. Stylish in design and compact in size, it fits any indoor environment and can be branded for customer.

For mesh networks

When there is a need for high density of connected devices, a mesh network is the perfect solution for connectivity. Treon Gateway comes with preloaded support for Wirepas Mesh and its hardware is ready to support Bluetooth Mesh.

Edge computing

Treon Gateway provides a powerful ARM-based Linux platform for running edge compute applications. Developers can easily deploy and execute Python, Node.js, native GCC and other compiled applications. Treon Gateway provides 16GB of storage and it can be further extended via USB.

Full connectivity

Treon Gateway provides a connectivity option for any deployment from wired Ethernet to wireless with Bluetooth, Wi-Fi and cellular connection. Easy integration with Microsoft Azure and Amazon Web Services is included and with our integration service the gateway can be connected to any cloud backend.

Hardware

ARM Cortex-A8 1GHz Processor
1 GB DDR3L RAM
16 GB eMMC Storage
Power supply 5V DC
Size: ø95mm x 18,3mm

Connectivity

USB A Host Port
Ethernet
2G, LTE CAT M1 / NB-IOT
Wi-Fi, BT & BT LE
2.4GHz / Wirepas

Customization options

Branding and color*

Fixing methods

Wall/ceiling mount*

Software

Development environment

ARM-based Linux OS (Yocto)
Pre-loaded Python and Node.js
Native GCC
Optional tools on request *

Networking

Firewall (iptables)
Linux TCP/IP stack
MQTT
BlueZ
Wirepas Connectivity Library

Cloud support

Microsoft Azure
Amazon Web Services
Integration service to connect the gateway
with any cloud*

* Volume dependent or at extra cost

Remote Management

Products:
eWON Netbiter



Remote Access and Remote Data

Products:
eWON Flexy & Cosy



Wireless access

Products: Anybus Wireless Bridge
Anybus Wireless Bolt, IXXAT CANblue II



CAN infrastructure

Products:
IXXAT CAN products



PC Interfaces

Products:
IXXAT PC cards
IXXAT INpact



Functional safety

Products:
A a



Embedded multi-network connectivity

Products: Anybus CompactCom



Multi-network connectivity

Products: Anybus at ay
Anybus Communicator



Connectivity
solved!



Todo en Redes Industriales, Buses de Campo, Control de Proceso.

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