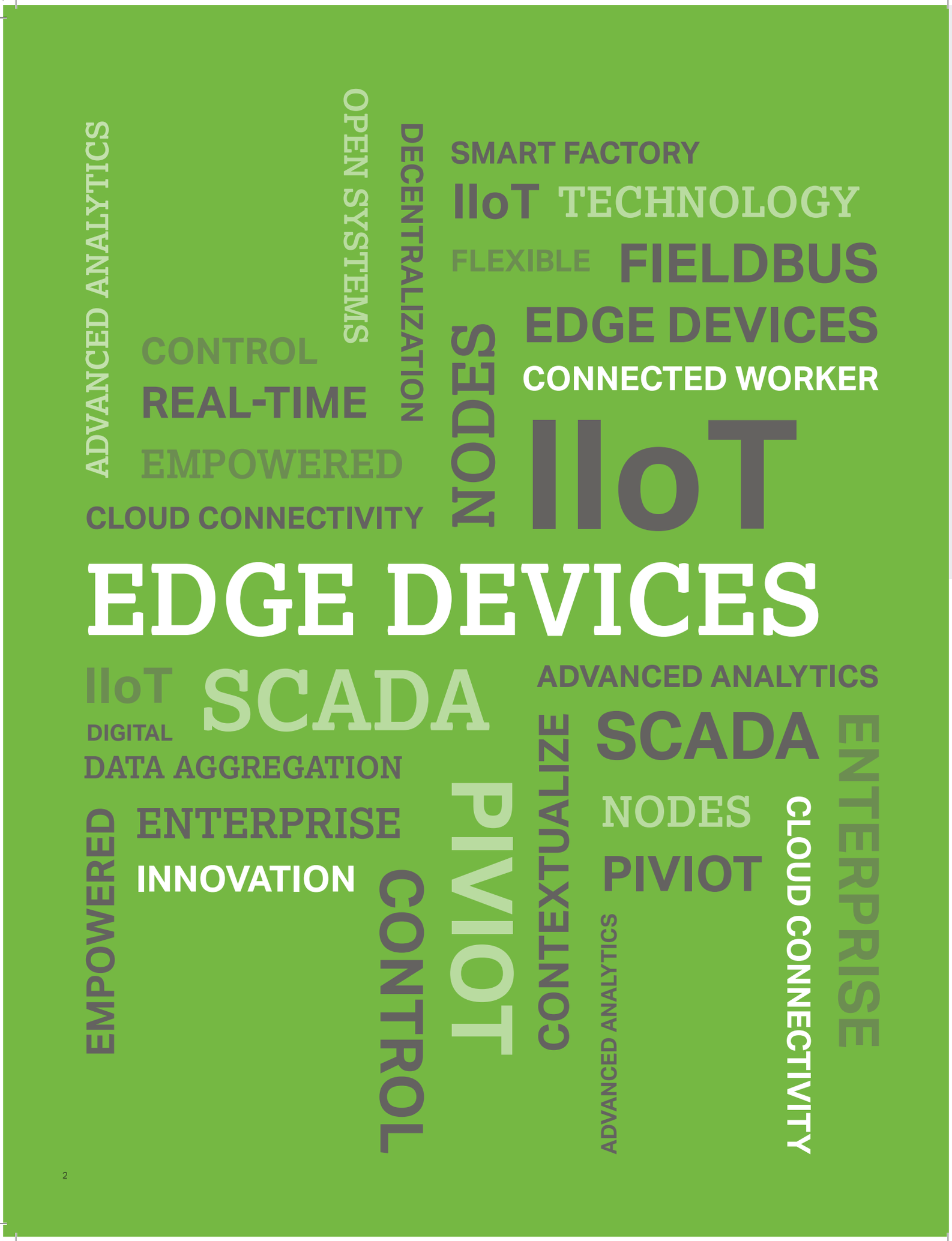
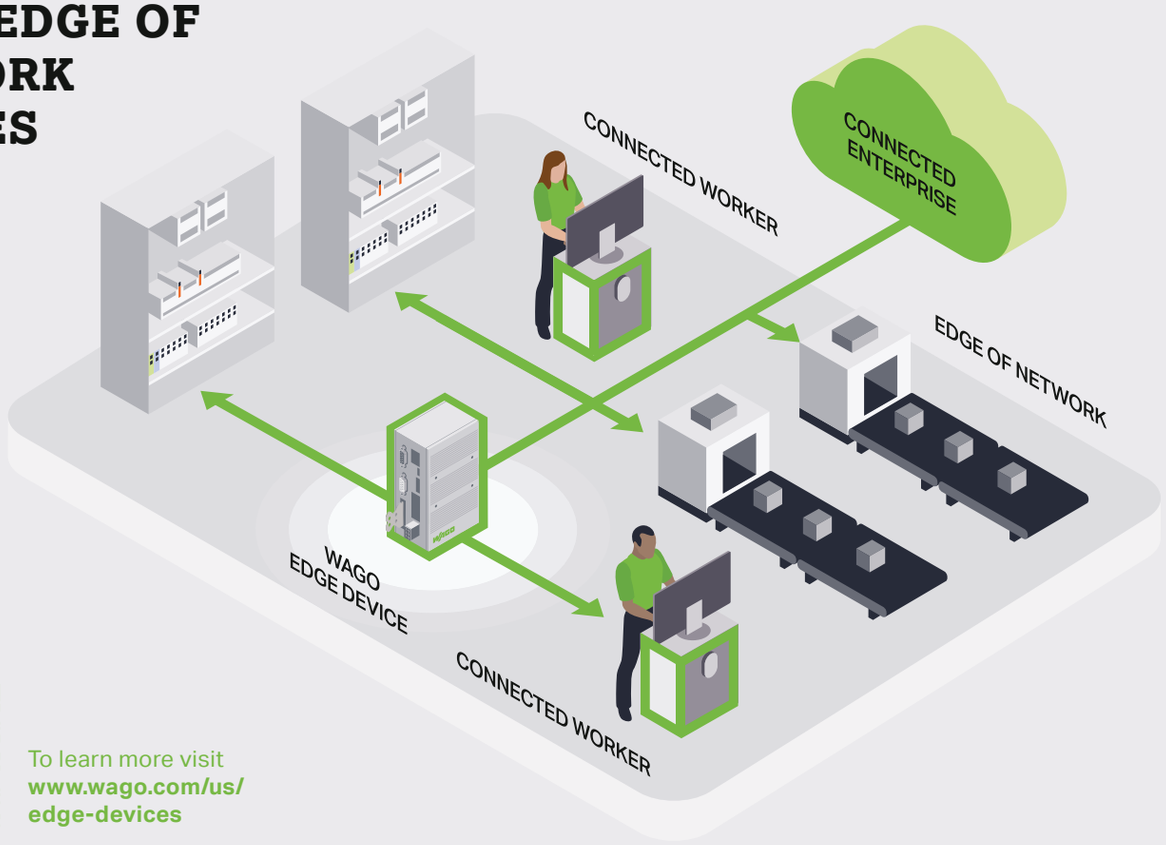
WAGO Edge Devices
IT and OT in One Device


ADVANCED ANALYTICS
OPEN SYSTEMS
DECENTRALIZATION
SMART FACTORY
IIoT TECHNOLOGY
FLEXIBLE
FIELDBUS
EDGE DEVICES
CONNECTED WORKER
CONTROL
REAL-TIME
EMPOWERED
CLOUD CONNECTIVITY
NODES
IIoT
EDGE DEVICES
IIoT
DIGITAL
SCADA
DATA AGGREGATION
ADVANCED ANALYTICS
SCADA
ENTERPRISE
NODES
PIVIOT
CLOUD CONNECTIVITY
EMPOWERED
ENTERPRISE
INNOVATION
CONTROL
PIVIOT
CONTEXTUALIZE
ADVANCED ANALYTICS

WAGO EDGE OF NETWORK DEVICES



To learn more visit
www.wago.com/us/edge-devices

WAGO EDGE of network devices

Digitalization in our modern global economy has become necessary for manufacturing facilities. Companies are leveraging Cloud services to help them optimize their production systems, however the collection of data can be a daunting process. Thankfully, engineers are able break down this operation into small, manageable tasks using Edge Deceives for local data processing and Cloud gateway projects.

Today, IT and OT personnel are able to work together to meet the specific needs of these companies. At the OT level, Edge devices connect to industrial fieldbus networks to collect data from PLCs, drives, sensors and other devices to create a model of their activities in real time. These devices are used to contextualize and aggregate information to reduce Cloud data storage costs, while still providing actionable information.

IT engineers are able to take the information from Edge Devices to develop tools that provide users with high level information; helping to improve business results. These applications also send deep analytical information back down to the Edge Devices to assist the plant floor managers and workers with decision support information and maximize local manufacturing performance. WAGO's Edge Devices combine the attributes of deterministic real-time PLC control with data meditation and storage of a PC, making them the duality of today's smart connected world. As a gateway between industrial networks, SCADA systems and Cloud services, these devices connect people from the enterprise to the plant floor. Get started today with your edge of network projects using our Edge Controller and Edge Computers.

- **Concurrent analytic processing and Real Time deterministic PLC control**
- **Data gateway between OT fieldbus networks and IT Cloud networks**
- **High speed processing for low latency applications**
- **Data contextualization and aggregation for Cloud optimization**

WAGO EDGE CONTROLLER

PLC & Open Linux PC in one

The WAGO Edge Controller is a PLC and Linux based PC in one device. This device leverages the real-time control environment of WAGO's e!COCKPIT engineering software for industrial control and supports Linux based tools, including applications that run as Docker containers.

The compact Edge Controller is able to carry out deterministic PLC control in parallel with open architecture software tools. Control Engineers can employ applications using proven PLC languages including Ladder Diagram or Structured Text for traditional control applications, while at the same time leverage Node-RED flow editor for specialized routines. Complex dashboards can be utilized through open source tools like Grafana and is able to extend the Cloud down to the the plant floor using edge software, such as AWS Greengrass for IoT.

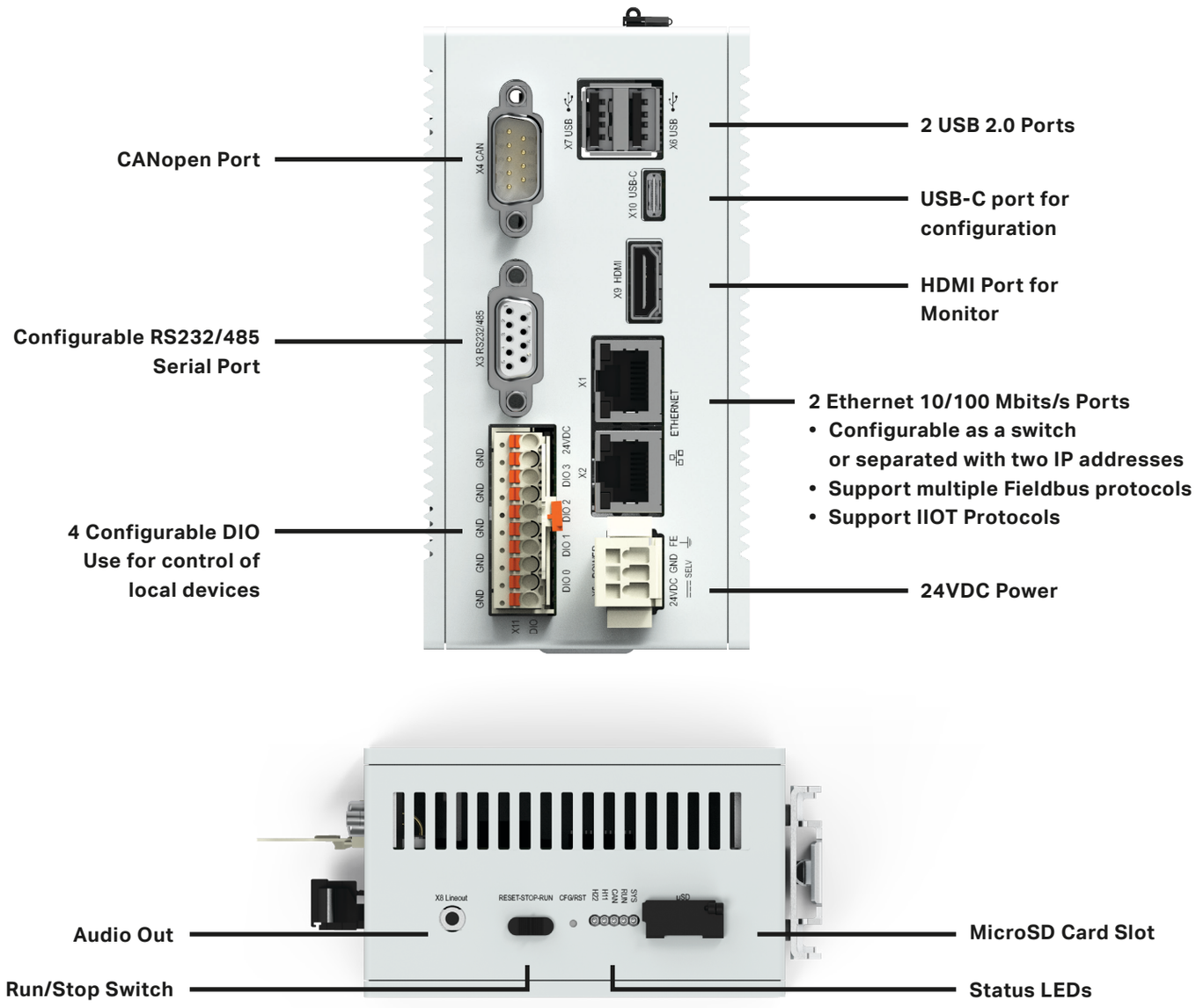
Engineering Software

e!COCKPIT CODESYS

752-8303/8000-002

BACnet CANopen Modbus EtherCAT EtherNet/IP HTML OPC UA MQTT OPENVPN IPsec

WAGO Edge Controller



Item Description	Edge Controller
Part Number	752-8303/8000-002
Processor	ARM Cortex A9 Quad Core
Memory	2 GB RAM
Internal FLASH Memory	4 GB
Non-Volatile Memory	128 Kb
Operating System	Real-Time Linux with RT-Preempt
Configuration	Web Based Management / e!COCKPIT / Linux
Visualization	Web Sever / e!COCKPIT Visu
Mounting	DIN-RAIL
Operating Temperature	-4 °F/-20 °C..140 °F/60 °C
Relative Humidity (No condensation)	90%
Protection Type	IP40

WAGO EDGE COMPUTER

Open Industrial PC

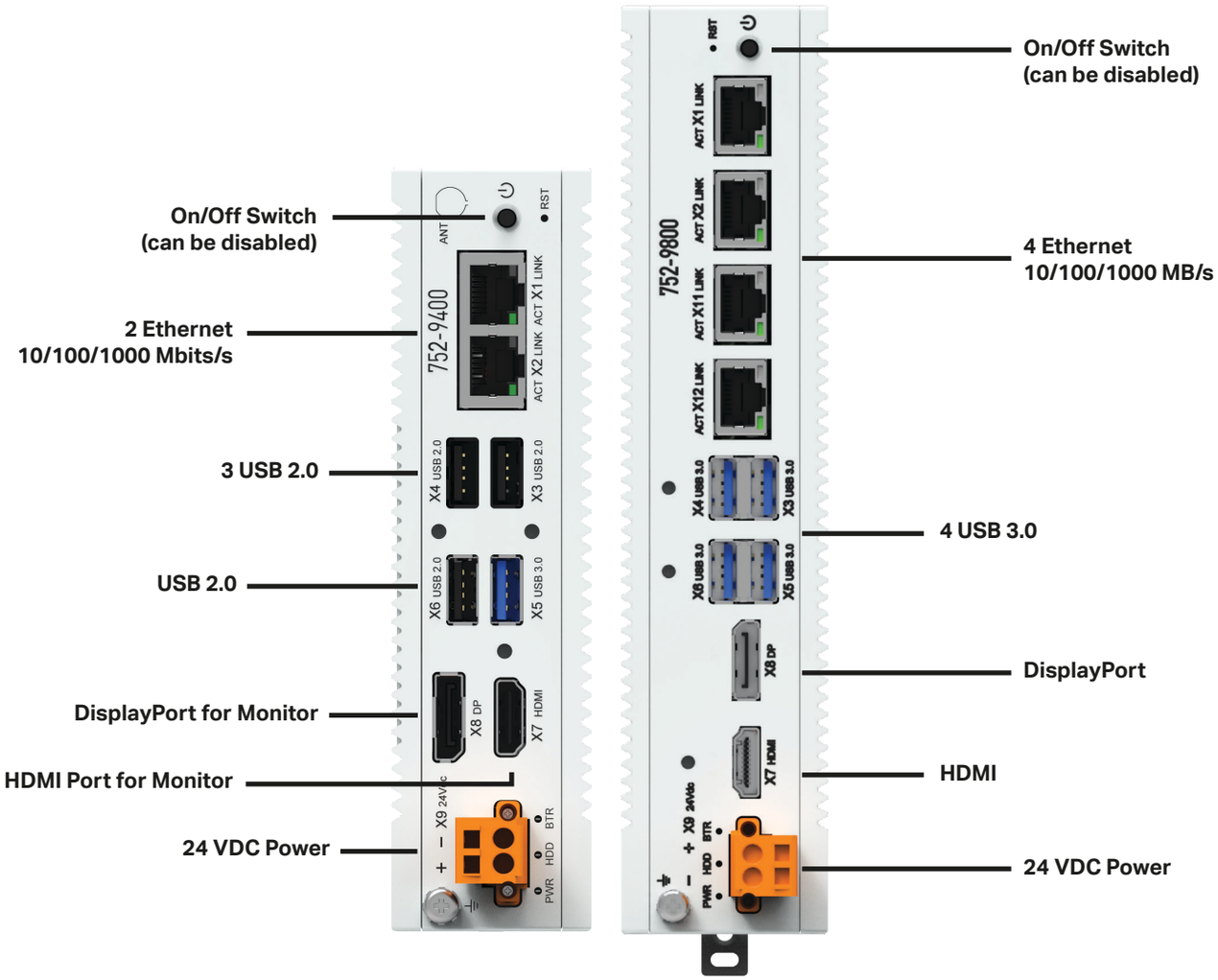
WAGO Edge Computers are an industrial Linux platform for your digitalization applications. These devices come standard with Debian Linux operating systems. Users can install their own applications such as Docker Containers, Node-Red or Grafana for their specific requirements.

The powerful and memory laden Edge Computers enable control engineers and enterprise software developers to run their own in-house applications for heavy data processing applications such as machine learning. This Edge Computer is also able to run 3rd party edge applications. Reduce time to market by leveraging pre-developed edge applications such as SOFTWARE AG's Cumulocity IoT or Inductive Automation's IgnitionEDGE. WAGO's line of Edge Computers is up to the task for your edge of network applications.

752-9800 16GB RAM

752-9400 4GB RAM
752-9401 8GB RAM

WAGO Edge Computer



Specifications			
Part Number	752-9400	752-9401	752-9800
Processor	Atom E3845 1.91 GHz Quad Core		2Core Intel Adam i7
Memory	4 GB RAM	8 GB RAM	16GB Ram
External FLASH Memory	64 GB (can be expanded via 2.5" SSD Drive)		256GB
Operating System	Debian Linux 10.5		
Configuration	Web Based Management/Linux		
Visualization	Web Server		
Mounting	DIN-Rail		
Operating Temperature	-4 °F/-20 °C ...140 °F/60 °C		
Relative Humidity (No condensation)	90%		
Protection Type	IP40		

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