



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

NODES

IIoT

CLOUD CONNECTIVITY

EDGE DEVICES

IIoT
DIGITAL

SCADA

ADVANCED ANALYTICS

DATA AGGREGATION

CONTEXTUALIZE

SCADA

ENTERPRISE

EMPOWERED

ENTERPRISE

INNOVATION

CONTROL

PIVIOT

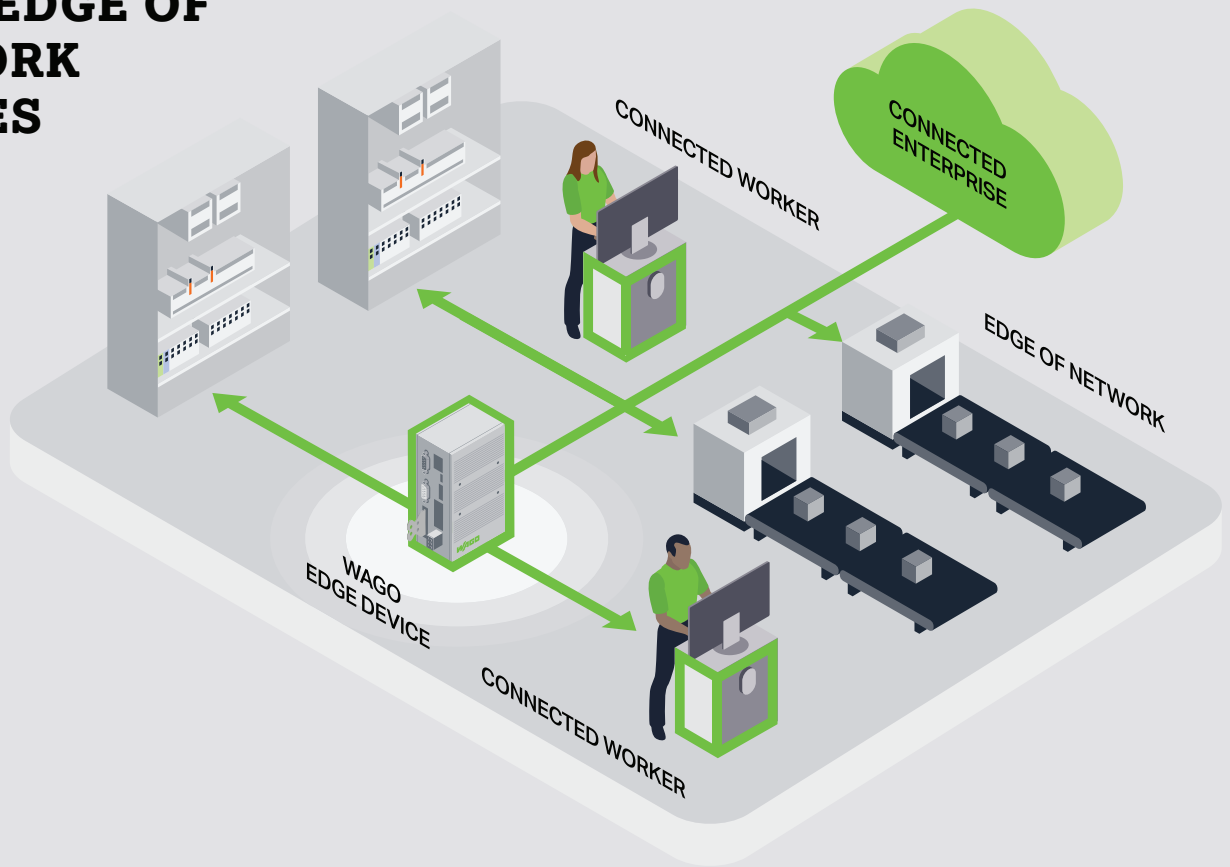
NODES

PIVIOT

ADVANCED ANALYTICS

CLOUD CONNECTIVITY

WAGO EDGE OF NETWORK DEVICES



WAGO EDGE of network devices

Digitalization in this global economy has become necessary for modern manufacturing facilities. Companies are leveraging Cloud services to help them optimize their production systems, but the collection of data can seem daunting. Thankfully, engineers can break down the task in small manageable work cells using Edge Devices for performance.

Today IT and OT personnel work together to meet business needs. At the OT level, engineers segment their systems into manageable areas where an Edge device can connect to industrial fieldbus networks to collect data from PLCs, drives, sensors and other devices to create a model of the work cell activities in real time. These devices are at the machine level and are used to contextualize and aggregate information to reduce Cloud data storage costs, while still providing actionable information. At the IT level, engineers are interested to keep networks safe. This group can take advantage of Edge of network devices to containerize applications and data for secure operation. Enterprise software engineers develop data processing tools that can extend down to edge devices providing deep analytics assisting the modern connected worker with decision support information for maximizing performance.

WAGO's Edge Devices are the duality of today's smart connected world. They combine the attributes of deterministic real-time PLC control with data mediation, and storage of a PC. 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 Computer.

- 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

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

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 applications in parallel with open applications. 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. It is also possible to extend the Cloud down the the plant floor using edge software like AWS IoT Greengrass.

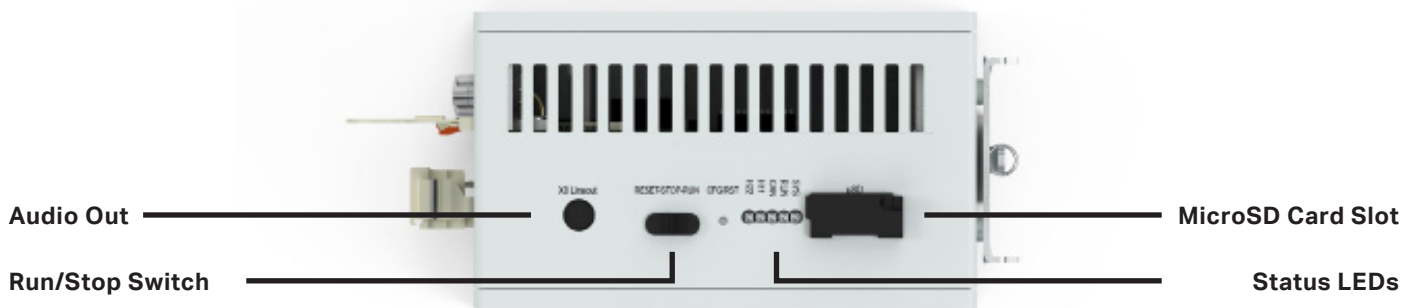
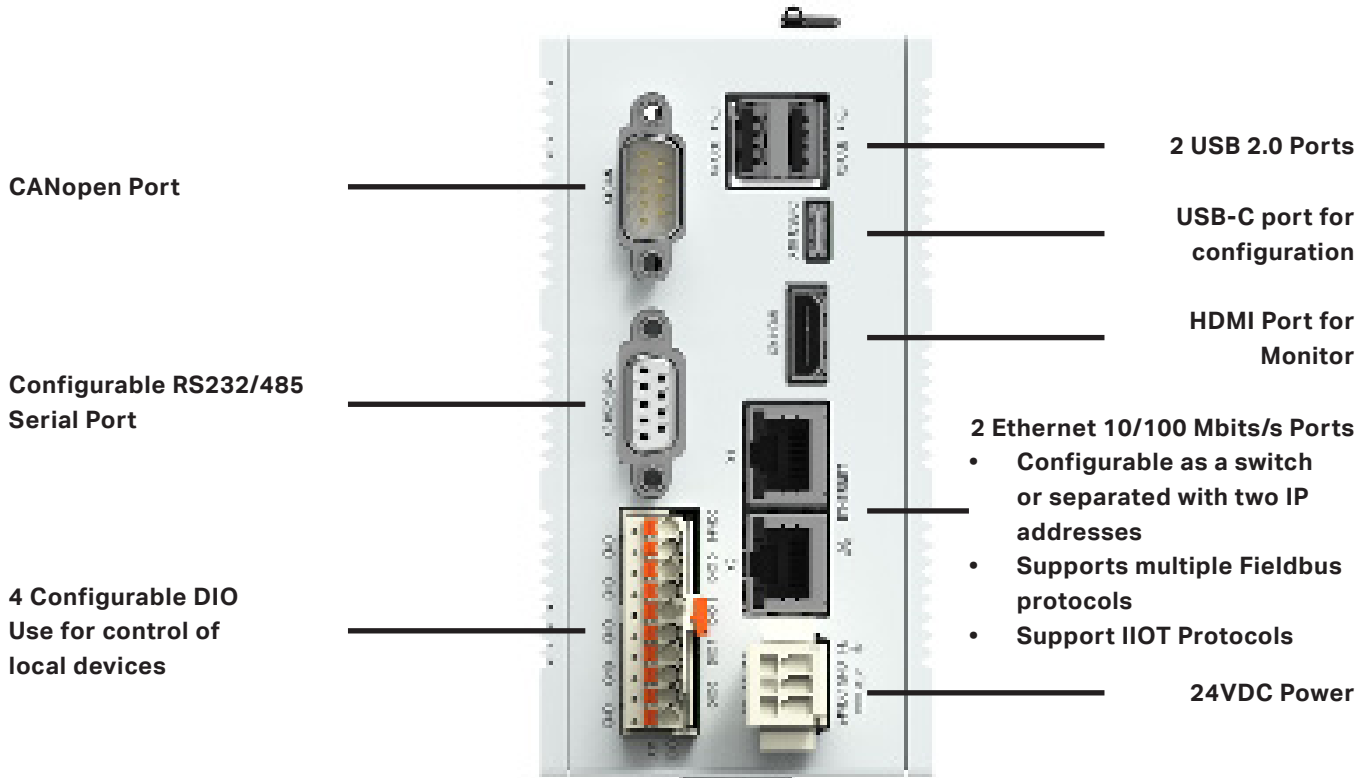


752-8303/8000-002

Engineering Software



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	Embed 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 Computer enables control engineers and enterprise software developers to run their own in-house applications for heavy data processing application like machine learning. This Edge Computer is also able to run 3rd party edge applications. Users can reduce their time to market by leveraging pre-developed edge applications such as SOFTWARE AG's Cumulocity IoT or Inductive Automation's IgnitionEDGE. In any case, the WAGO Edge Computer is up for the task.

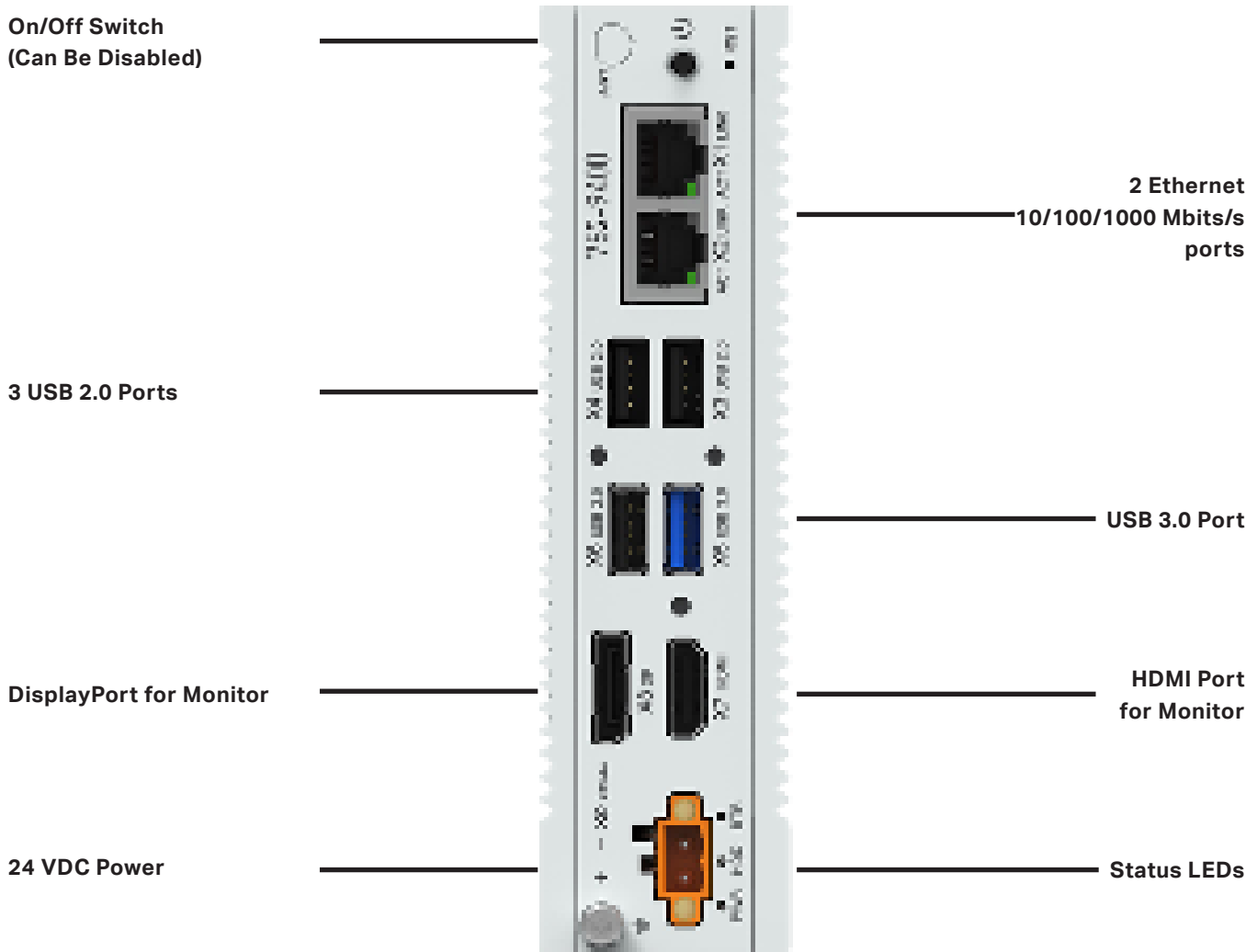


752-9400 4GB RAM

752-9401 8GB RAM



WAGO Edge Computer



Item Description	Edge Controller	
Part Number	752-9400	752-9401
Processor	Atom E3845 1.91 GHz Quad Core	
Memory	4 GB RAM(752-9400)	8 GB RAM (752-9401)
Internal FLASH Memory	64 GB (Can be expanded via 2.5" SSD Drive)	
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	

WAGO Corporation
N120 W19129 Freistadt Road
Germantown, Wisconsin 53022
Telephone: 800 / DIN Rail (346-7245)
Fax: 262 / 255-3232
info.us@wago.com
www.wago.us

Canada
WAGO Corporation
Tel. 800/DIN Rail (346-7245)
Fax 262/255-3232
www.wago.ca

Mexico
WAGO Corporation
Queretaro
Tel. 001/800/309/5975
+ 52/442/221/5946
Fax + 52/442/221/5063
www.wago.mx

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