

# VARIO X

CONNECTED  
FUTURE.



# Vario-X IPC Simply decentral.

## The powerful multi-talent

With its powerful quad-core CPU, the Vario-X controller is ready for use directly on your machines and systems. In addition to its large number of physical interfaces, the IPC also offers a wide range of communication protocols. This means that the Vario-X Controller can also be used as an EDGE controller and handle communication from the sensor to the cloud.

As a decentralized controller, the IPC can be the heart of a machine or be integrated into a high-level control network.

Thanks to the IP67 degree of protection, installation is possible directly on the machine without an additional control cabinet, which enables modern decentralized installation concepts without control cabinets.

- Powerful quad-core CPU
- CODESYS PLC and visualization
- EDGE controller
- Integrated Predictive Maintenance Sensors
- EtherCAT Master
- PROFINET Device
- EtherNet/IP Device
- CANopen and SAE-J1939
- OPC UA and MQTT

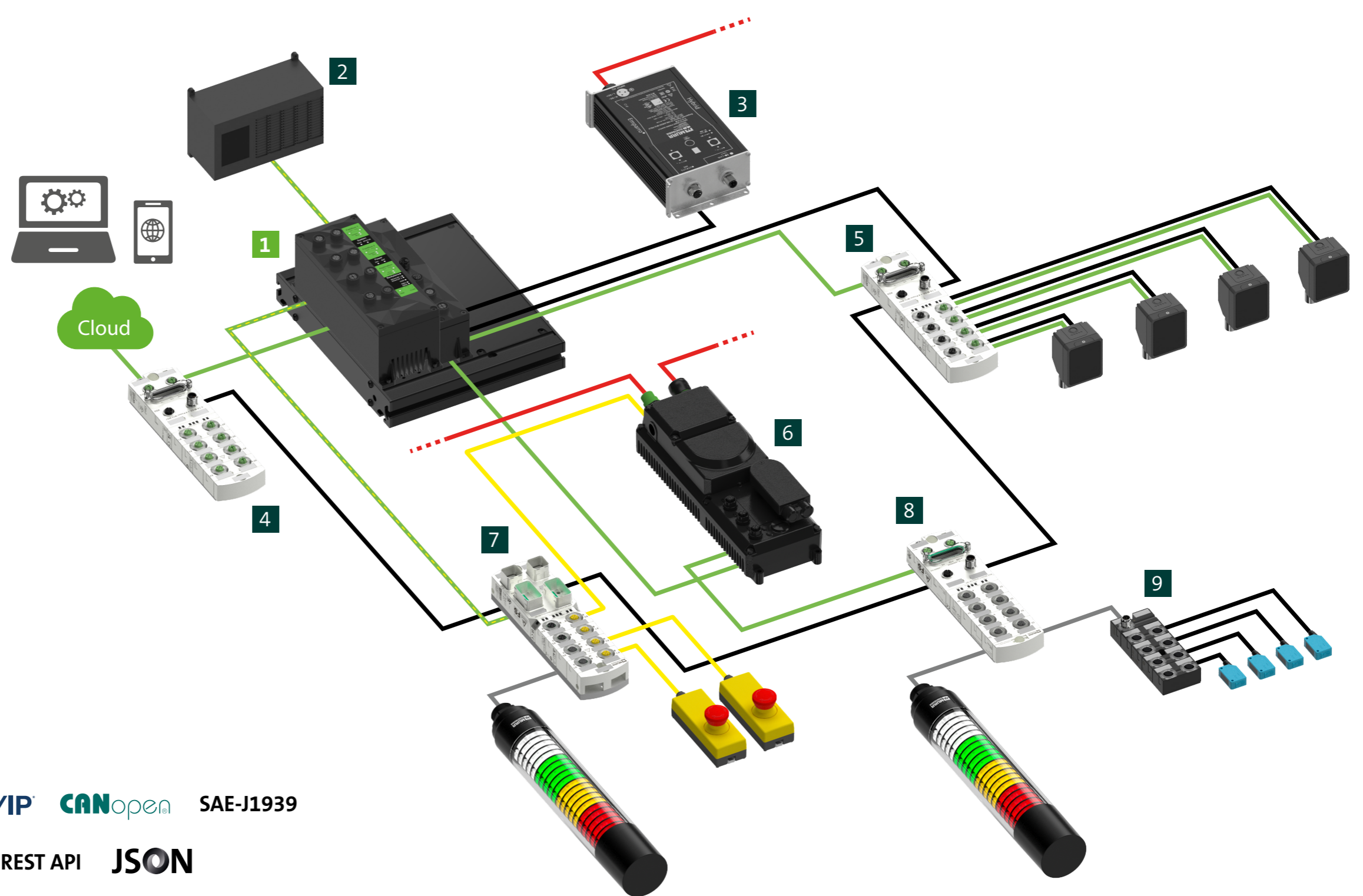
**MURR**  
**ELEKTRONIK**

*stay connected*

# VARIO X

CONNECTED FUTURE.

- 2 Higher-level PLC
- 3 Decentralized Power Supply
- 4 Ethernet Switch
- 5 Hybrid Switch for cameras
- 6 Decentralized servo controller
- 7 PROFINET/PROFISAFE I/O Module
- 8 IO-Link Master
- 9 I/O-Hubs



## 1 Vario-X Controller

- The Vario-X Controller controls the entire machine/system stand-alone with its integrated CODESYS V3 PLC.
- Connection of drives and fieldbus modules via the EtherCAT master.
- The Vario-X system can optionally be integrated into a higher-level control system via the PROFINET and/or EtherNet/IP device interface.
- Via a CAN interface, CANopen as well as SAE-J1939 devices can be connected.



- Separate Gigabit Ethernet interfaces enable the connection of camera systems or clouds, for example.
- Thanks to its IP67 protection rating, the Vario-X controller can be mounted directly on the machine, allowing modular machines to be implemented in short time.
- All connections are pluggable and can therefore be installed plug & play, which not only eliminates errors during commissioning but also reduces time and costs.

## Components of this assembly

### Vario-X CTRL 1000

VX00-CTXQ0-0100001



2x PROFINET Device Ports

2x Additional fieldbus ports

2x Gigabit Ethernet Ports

1x HMI Port (Ethernet + 24 VDC)

1x Serial interface

### Vario-X FeedIO

VX00-FIC00-0100001



1x 24 VDC Input

1x 24 VDC Output

1x EtherCAT Port

1x Gigabit Ethernet Port

### Vario-X Backplane 200 mm

VX00-BPC05-0100001



### Vario-X Cover 80 mm

10064611



## Order information

Description	Designation	Art. No.
Assembly consisting of a 200 mm Vario-X backplane equipped with the Vario-X CTRL 1000, a Vario-X FeedIO module and an 80 mm cover	VARIO-X_ASSEMBLY-BPC200-CTRL-FEEDIO	<b>V000-ASSY0-0100002</b>

## Accessories

You can find suitable installation and connection accessories in the Murrelektronik online store at [shop.murrelektronik.com](http://shop.murrelektronik.com). We will be happy to assist you with your selection, get in touch with your local contact person to discuss your system design with our experts.

Further information on the Vario-X system can be found at: [Vario-X.com/ipc](http://Vario-X.com/ipc)

