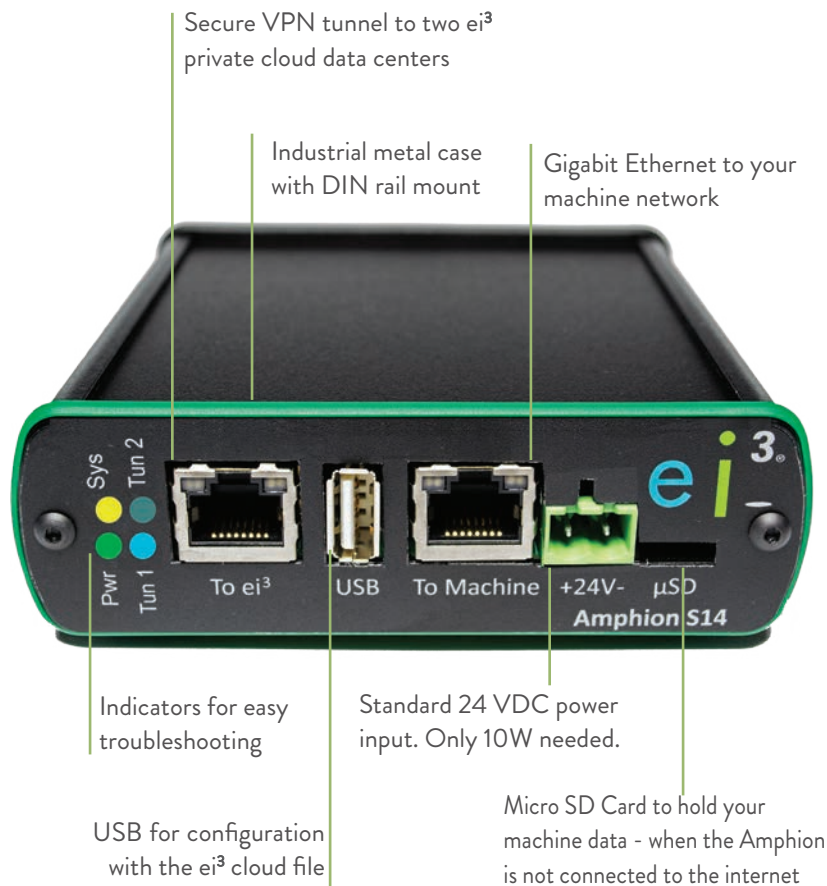


Amphion S14

Product Data Sheet



PRODUCT DESCRIPTION

Accelerate your factory's digital transformation with ei³'s edge device: Amphion. Field-tested and purpose-built, it operates seamlessly over existing internet connections, simplifying integration without development requirements. A core component of the ei³ Managed Secure Network, Amphion presents a two-tier edge, optimizing operational flexibility and scalability while upholding security (refer to the typical implementation diagram).

Amphion is your key to ei³'s suite of IoT apps - SERVICE, PRODUCTION, MONITOR, DOWNTIME, RECIPE, QUALITY, LIFECYCLE, and SUSTAIN - each delivering its own distinct ROI.

KEY FEATURES

- Secure VPN networks with individual machine subnets and automatic firmware updates
- Zero Trust Network Access™ to machines for setup, diagnostics, software updates, upgrades, and training
- Data collection from modern and legacy equipment
- Local cache to prevent data loss during network outages
- Cloud tools for network administration, troubleshooting, and condition monitoring

CERTIFICATIONS



MACHINES & APPLICATIONS

- Converting Lines
- Environmental Controls
- Extruders
- Foundries
- Laminators
- Paper
- Printing
- Plastics Machines
- Metal Working Machines
- Sheet Lines
- Slitting and Rewinding
- Thermoforming
- Thermal Oxidizers
- ... and many more

SUPPORTED TECHNOLOGIES

- B&R
- Beckhoff
- Bobst
- Fanuc
- Heidelberg
- Lenze
- Milacron
- Mistubishi
- Omron
- Rockwell
- Schneider Electric
- Shibaura
- Siemens
- Toshiba
- Wago
- ... and more

SUPPORTED PROTOCOLS

- Modbus & Modbus TCP
- PROFIBUS & PROFINET
- EtherNet/IP
- Data Highway Plus
- ArcNet & ControlNet
- OPC DA & OPC UA
- Ethernet & IP Suite
- RS-232 & RS-422
- ... and more

ADAPTERS

- Serial (DB9, M12,...)
- Wi-Fi to Ethernet Adapter
- Cellular Modem

Amphion S14

Product Data Sheet



TECHNICAL SPECIFICATIONS

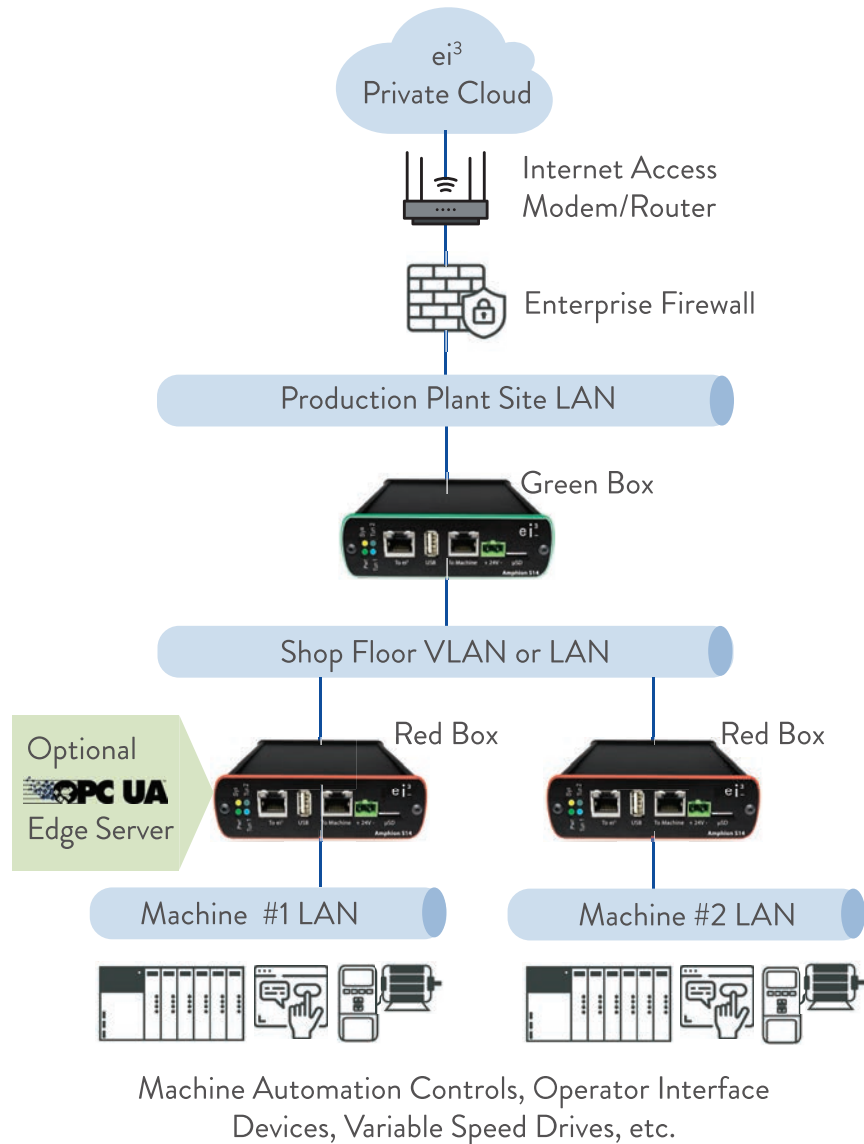
Outside Dimensions	114x109x35mm (4.5 x 4.3 x 1.4 inch)
Weight	0.3 kg (0.6 lb)
Mounting	35mm DIN Rail
Operating Temperature	0-50 deg C (32-122 deg F)
Protection	IP22 (NEMA 1)
Power Supply	24 Volts DC 10 Watt
Grounding	By Metallic DIN clip
Connectivity	Dual Gigabit
Network Media	CAT5 RJ45 or higher
Network Space Routable	Up to Class C (254 Addresses)
Bandwidth	56kbps (minimum) 1 Gbps (maximum)
Latency	125 ms (maximum)
CPU	Quad Core 1.2 GHz 64bit ARM
USB Capability	1 type A port
Storage	Micro SD slot supports storage upto 128GB
Indicators	4 Color LED

PART OF THE COMPLETE
ei³ SOLUTION

Certificate of Compliance with
ISO 27001 standards by DEKRA



TYPICAL IMPLEMENTATION



ORDERING INFORMATION

PART NUMBER	NAME	USE
IAA-254-H-S14	Green Box	Plant VPN
IAA-30-N-S14	Red Box	Machine Router
IAA-30-C-S14	Black Box	Combination

ACCESSORIES

IAA-PSU-X	International 24 VDC Power	Wall Power Supply
N/A	USB Drive	For cloud file configuration
N/A	Cable Kit	For easy install