DATA SHEET
WEB AI RANGE



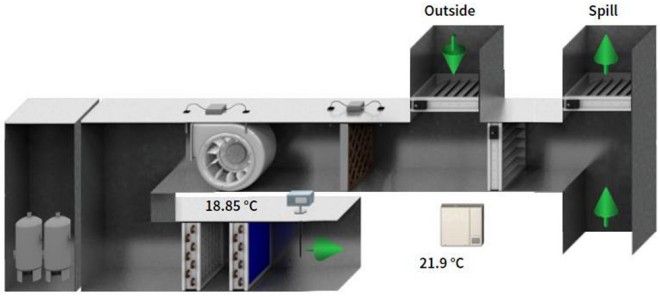
MINI 2

The Web AI Mini controller delivers extremely powerful integrated processing power in a compact DIN mount format. The Mini interfaces with Web AI IOM modules including backward compatibility of the Web XL product range enabling a simple upgrade path.

The Mini's large storage enables up-to 13 months logging and utilises Sphere Systems proprietary AI Smart technology to detect and advise of system abnormalities. The Web AI Mini also automates preventative maintenance schedules.

With the Facility/Minicom modules the WebAI can interface with a sites existing Sphere Facility installation and allow BACnet integration.

With Internet connectivity and Web-browser based front-end, the feature-rich controller makes setup and configuration exceptionally straight-forward.

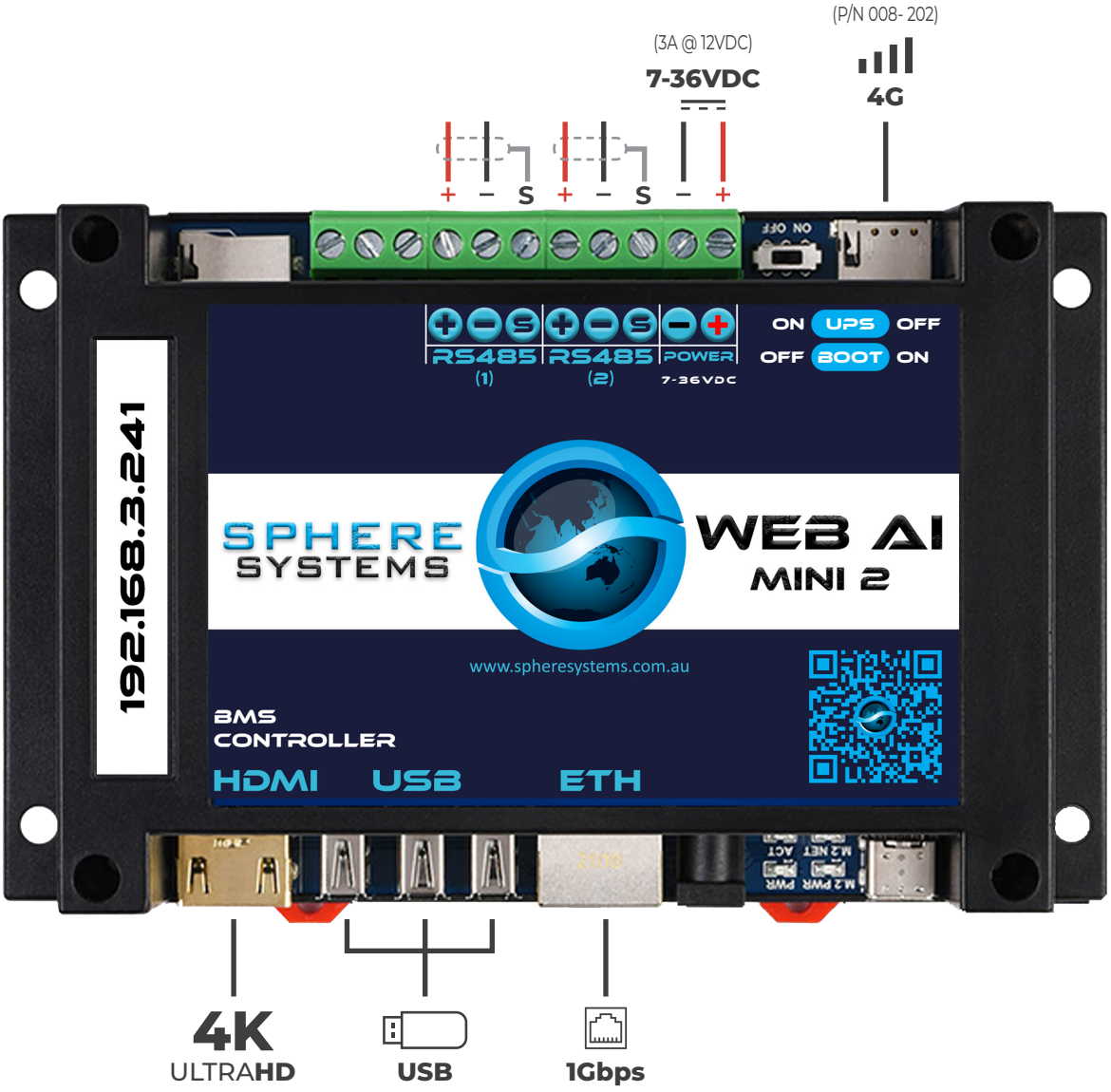


FEATURES

- Compact DIN Mount
- BACnet (IP/MSTP)
- Modbus (IP/RTU)
- 1.5GHz Quad-Core 64bit ARM Processor
- 32GB EMMC Storage
- 4GB Ram
- 5GHz/2.4GHz *WLAN
- 1 x Gigabit Ethernet
- 3 x USB 2.0
- 1 x HDMI 4K Output
- 2 x RS485
- *Bluetooth 5.0
- Unlimited BACnet Points
- *4G Connectivity *(P/N 008-202)*
- RTC *(Battery Backup)*
- Screw Connectors
- IP Address Label
- Backward Compatibility

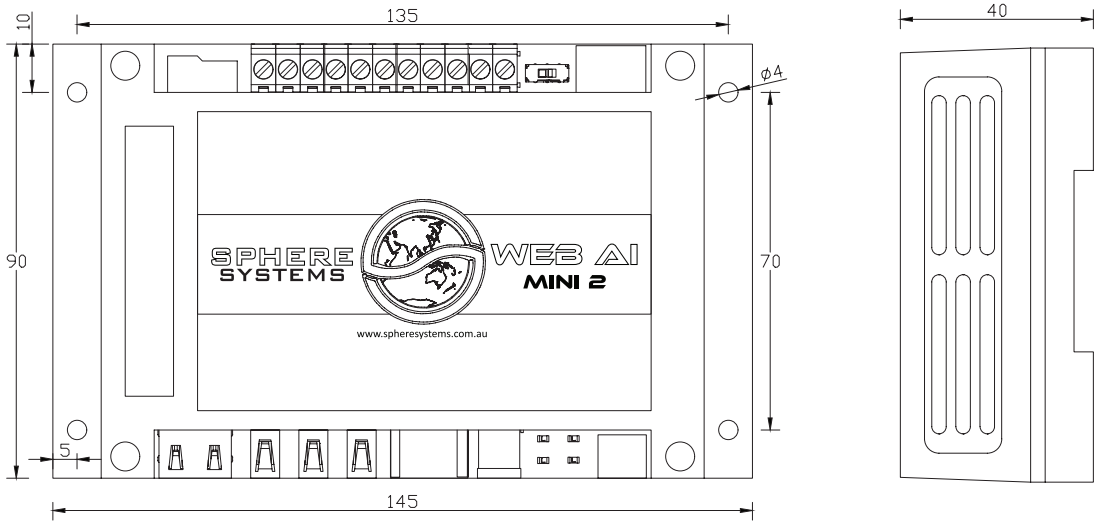
SPHERE SYSTEMS

CONNECTIONS



SPECIFICATIONS

Power Supply	IOM Bus Booster **(P/N 008-702)** External Supply	24VAC~ / 12VDC OUT (Bus Booster Only) 12-24VDC/3A
Processor	64-bit Quad-core Cortex-A72 (ARM v8)	1.5GHz
Memory	eMMC	32GB
RAM	LPDDR4	4GB
Networking	LAN WIFI Bluetooth 4G *** (P/N 008-202)**	Gigabit Ethernet RJ45 5GHz/2.4GHz 802.11b/g/n/ac wireless 5.0 BLE Nano Sim Slot
Connectivity	3 x USB 2.0 1 x HDMI 2 x RS485	Type A 30fps @ 4K
Dimensions	145mm (5.7”) x 90mm (3.54”) x 40mm (1.57”)	
Real-Time Clock (RTC)		Battery Backup
Max Points		512 (WebXI IO)
Max Devices		Up to 40 Devices[1.] per RS485
Comms		BACnet Modbus Sphere Systems Web AI IO Sphere Systems Web XL IO Sphere Systems Minicom Sphere Systems Facility



1. Recommended maximum number of devices supported for each RS485 network depends on points and logic functions used per device.

INTERLINK

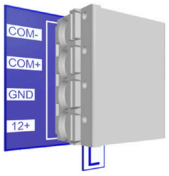
Left Bus Extender (P/N: 008-053) and Right Bus Extender (P/N: 008-052) are used to establish a power and communication line between WebAI Mini 2 and the IOM Bus/additional rows.

Standard IOM Interlink (P/N: 008-050) is used to connect adjacent modules.

End of Line (P/N: 008-051) is used at the last IOM of the bus (must be right hand end).

Extenders and Links are keyed to ensure correct polarity of the row is maintained.

Left Bus Extender
P/N: 008-053



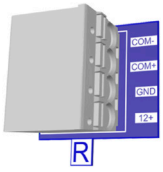
Standard IOM Interlink
P/N: 008-050



End of Line
P/N: 008-051



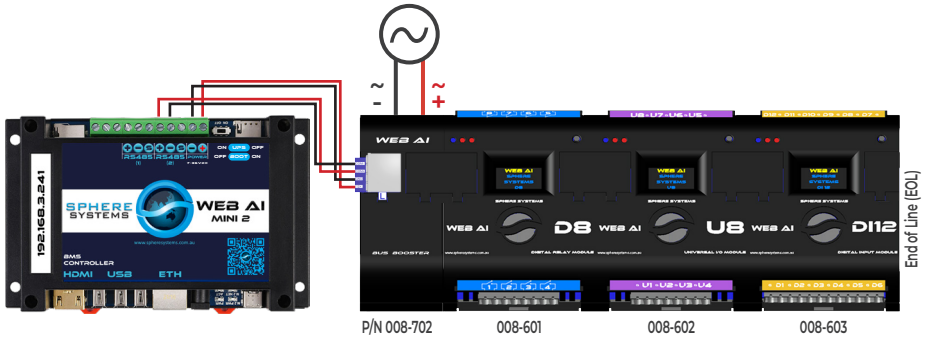
Right Bus Extender
P/N: 008-052



***Included**

TYPICAL INSTALLATIONS

24VAC is supplied to IOM Bus Booster which powers the Web AI Mini and Input/Output Modules simultaneously.



Minimum of 12VDC/3A required to supply Web AI Mini and Input/ Output Modules

