

Masters and gateways

Model number
GW458160A



Dual channel AS-Interface to Profibus-DP gateway

The AS-Interface/Profibus gateway interfaces two (2) AS-Interface networks to Profibus-DP. The gateway acts as a master for two (2) AS-Interface networks and as a single slave for Profibus. AS-Interface functions can be called up via Profibus. Commissioning can be easily accomplished with the use of a hand-held addressing unit or with the push buttons on the gateway.

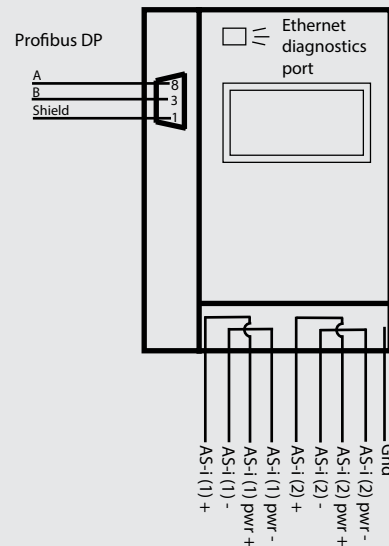
Features

- Duplicate address detection
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- AS-Interface peripheral fault diagnostics
- Ethernet web server for diagnostics
- Integrated GSD file
- Chip card for storing configuration



Specifications	
AS-Interface master version	3.0
Interface	Profibus-DP
Diagnostic interface	RJ45 Ethernet
Operating current	200mA (from AS-Interface 1) 70mA (from AS-Interface 2)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Baud rate	9.6k - 12000k baud (automatic recognition)
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	LCD display Display network1/network2, green LED Serial communication active, green LED Configuration error, red LED AS-Interface voltage normal, green LED AS-Interface normal operation, green LED Automatic address program enabled, green LED Master in configuration mode, yellow LED
Operating temperature	0° to +55°C (+32° to +131°F)
Storage temperature	-25° to +82°C (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 75mm, 93mm
Ingress protection	IP20, field enclosure required
Weight	460g (1.0 pounds)

Schematic drawing



Graphical display

The interactive graphical display on this gateway enables the entire AS-Interface network to be commissioned and the connected devices to be completely tested without a PC, PLC or host system. It also enables the user to complete all tasks previously requiring the "AS-Interface Control Tools" software package or hand-held. This allows for simpler and faster commissioning.

Features

- Set device addresses
- Test inputs and outputs
- Perform network diagnostics
- View error counter

