Masters and gateways

Model number
GW458116A

AS-Interface to ProfiNet gateway

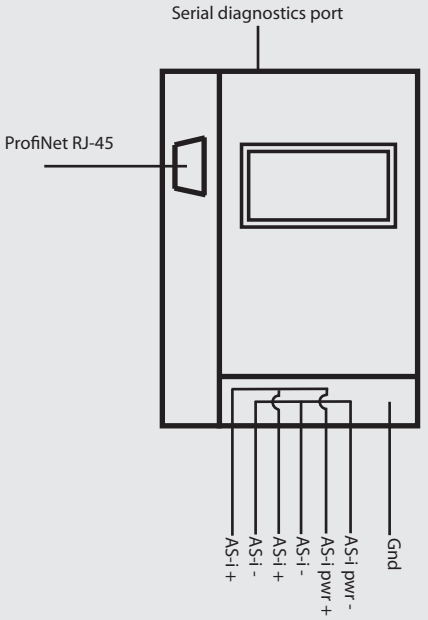
The AS-Interface/ProfiNet gateway interfaces the AS-Interface to ProfiNet. The gateway acts as a master for AS-Interface and as a slave for ProfiNet. AS-Interface functions can be called up via ProfiNet. Commissioning can be accomplished with a hand-held addressing unit or with the push buttons on the gateway.

Features

- Duplicate address detection
- Version 3.0 master-compatible with all 2.0 and 3.0 slaves and 7.3 profile analog modules
- AS-Interface peripheral fault diagnostics
- Serial diagnostics port: see SW462008A for software and cable

Specifications	
AS-Interface master version	3.0
Interface	ProfiNet (RJ-45 Ethernet)
Operating current	300mA (from AS-Interface circuit)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Baud rate	10/100m baud (automatic recognition)
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	LCD display Power on, 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 +85°C (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 100mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	550g (1.2 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