Masters and gateways

Model number
GW458074A **GW458100A** *(ETL)*

AS-Interface for Allen Bradley ControlLogix PLC's

The AS-Interface scanner module serves to connect the AS-Interface to Allen Bradley ControlLogix PLCs. The scanner takes one slot of the PLC and acts as a complete master for two (2) AS-Interface networks. All I/O data and status bits are mapped to the PLC's I/O files.
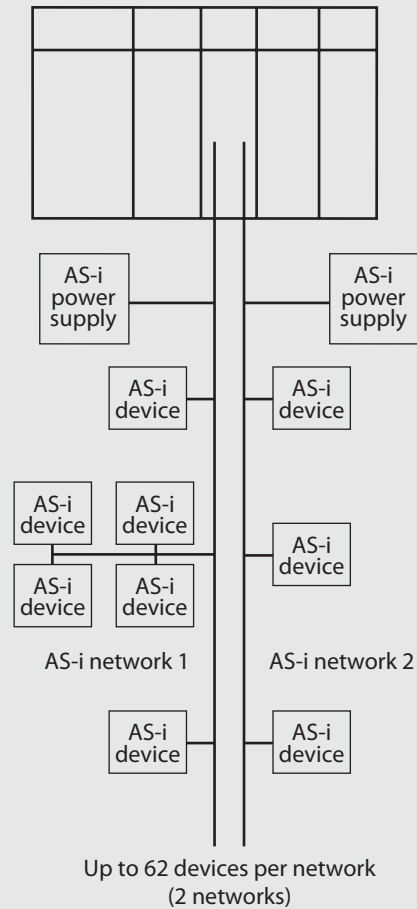
Features
• Serial diagnostics port: see SW462006A for cable and software

• ETL approved Class I Division 2 (GW458100A)

Specifications

AS-Interface master version	3.0
PLC chassis	ControlLogix
AS-Interface channels	2
Operating current	70mA (from AS-Interface 1) 70mA (from AS-Interface 2)
Operating voltage	30 VDC AS-Interface voltage
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface salves +2)
Displays	Slave addresses and error messages, 2-digit LED AS-Interface power on, green LED Communication active, green LED Communication errror, 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	-0º to +55ºC (-32º to +131ºF)
Storage temperature	-25º to +85ºC (-13º to +185ºF)
Housing	Engineered resin, DIN rail mounting
Dimensions (L, W, H)	146mm, 35mm, 132mm
Ingress protection	IP20, field enclosure required
Weight	420g (0.93 pounds)
Approvals (GW458100A)	ETL approved Class I Division 2, groups A,B,C,D

CE

Schematic drawing

AS-i network 1   AS-i network 2

Up to 62 devices per network
(2 networks)

Masters and gateways
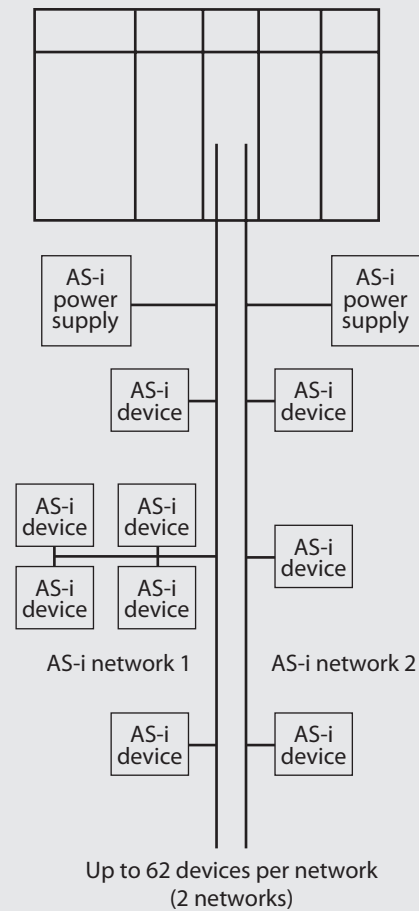
Model number
GW458043A

AS-Interface for Allen Bradley SLC500 PLC

The AS-Interface scanner module serves to connect the AS-Interface to an Allen Bradley SLC 5/03 or later. The scanner takes one slot of the PLC backplane and acts as a complete master for two (2) AS-Interface networks. All I/O data is mapped to the SLC's I/O files and all status bits are mapped to the M0 and M1 files. The module also features an RS232 serial port for uploading configuration files.

Specifications

AS-Interface master version	2.1
PLC chassis	SLC 5/03 or later
AS-Interface channels	2
Maximum I/O	I/O: 32 words in, 32 words out MO file: words in-typical (113) max (461) M1 file: words in-typical (113) max (461)
Communication ports	2- 4pin Phoenix connectors (1 per network)
	1- 9pin serial configuration port
Displays	Fault LED, overall scanner status Comm LED (channel 1), status of network Comm LED (channel 2), status of network 2
Backplane current	500mA @ 5 VDC
Processor	Intel 80C188
RAM	28K bytes
Flash memory	512K bytes (firmware and config storage)
Operating temperature	0° to +60℃ (32° to +140℉)
Storage temperature	-40° to +85℃ (-40° to +185℉)

Schematic drawing

AS-i network 1   AS-i network 2

Up to 62 devices per network
(2 networks)

Masters and gateways

Model number
GW458094A
GW458118A *(ETL)*

AS-Interface to DeviceNet gateway

The AS-Interface/DeviceNet gateway serves to connect the AS-Interface to a DeviceNet network. The gateway acts as a complete master for the AS-Interface network and as a slave for DeviceNet (group 2 slave only). All AS-Interface functions can be called up via DeviceNet.
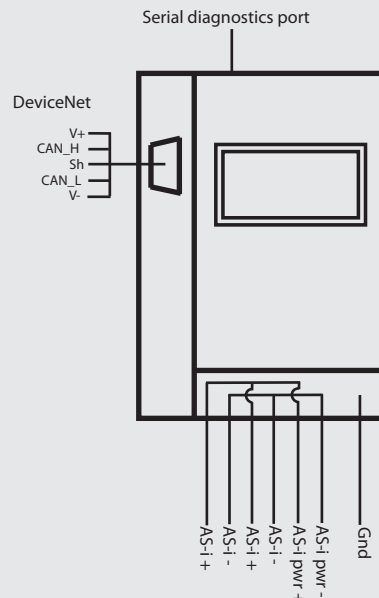
Features
- Duplicate address detection
- AS-Interface peripheral fault diagnostics
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Serial diagnostics port: see SW462008A for software and cable
- ETL approved for Class I Division 2 (GW458118A)

Specifications

AS-Interface master version	3.0
Interface	DeviceNet (5 pin plug)
Operating current	200mA (from AS-Interface)
Operating voltage	30 VDC AS-Interface voltage
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface Slaves +2)
Displays	LCD display
DeviceNet voltage on, green LED
AS-Interface power on, green LED
Module/Net Status (MNS), green/red 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, 85mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	520g (1.1 pounds)
Approvals (GW458118A)	ETL approved Class I Division 2, groups A,B,C,D

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

Masters and gateways

Model number
GW458096A
GW458122A *(ETL)*

Dual channel AS-Interface to DeviceNet gateway and single power supply feature

The dual channel AS-Interface/DeviceNet gateway serves to connect the AS-Interface to a DeviceNet network. The gateway acts as a complete master for two AS-Interface networks and as a slave for DeviceNet (group 2 slave only). All AS-Interface functions can be called up via DeviceNet.
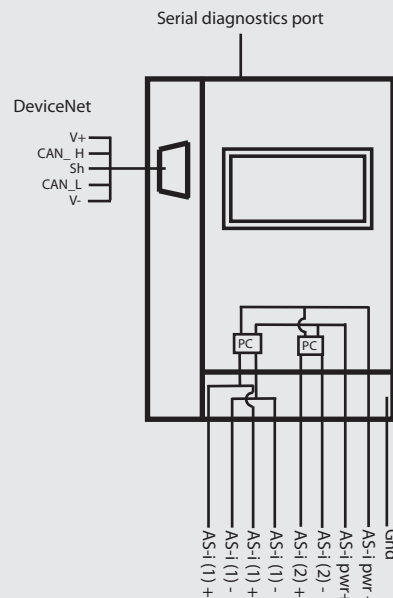
Features
- Duplicate address detection
- AS-Interface peripheral fault diagnostics
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Serial diagnostics port: see SW462008A for cable and software
- ETL approved Class I Division 2 (GW458122A)
- Single power supply for 2 networks

Specifications

AS-Interface master version	3.0
Interface	DeviceNet
Operating current	250mA
Operating voltage	30 VDC, requires (1) 30 VDC power supply
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	LCD display DeviceNet voltage on, green LED AS-Interface power on, green LED Module/Net Status (MNS), green/red 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℃ (+32° to +131°F)
Storage temperature	-25° to +85℃ (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 85mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	590g (1.3 pounds)
Approvals (GW458122A)	ETL approved Class I Division 2, groups A,B,C,D

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

Masters and gateways

Dual channel AS-Interface to DeviceNet gateway

The dual channel AS-Interface/DeviceNet gateway serves to connect the AS-Interface to a DeviceNet network. The gateway acts as a complete master for two AS-Interface networks and as a slave for DeviceNet (group 2 slave only). All AS-Interface functions can be called up via DeviceNet.
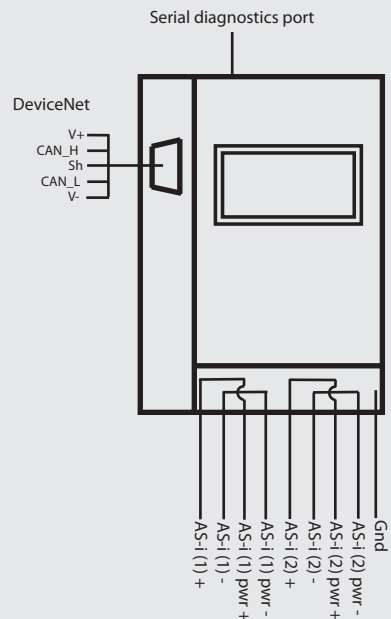
Features

- Duplicate address detection
- AS-Interface peripheral fault diagnostics
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Serial diagnostics port: see SW462008A for software and cable
- ETL approved for class 1 division 2 (GW458120A)

Specifications

AS-Interface master version	3.0
Interface	DeviceNet (5 pin plug)
Operating current	200mA (from AS-Interface 1) 70mA (from AS-Interface 2)
Operating voltage	30 VDC AS-Interface voltage
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	LCD display DeviceNet voltage on, green LED AS-Interface power on, green LED Module/Net Status (MNS), green/red 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℃ (+32° to +131°F)
Storage temperature	-25° to +85℃ (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 85mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	520g (1.1 pounds)
Approvals (GW458120A)	ETL approved Class I Division 2, groups A,B,C,D

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

Masters and gateways

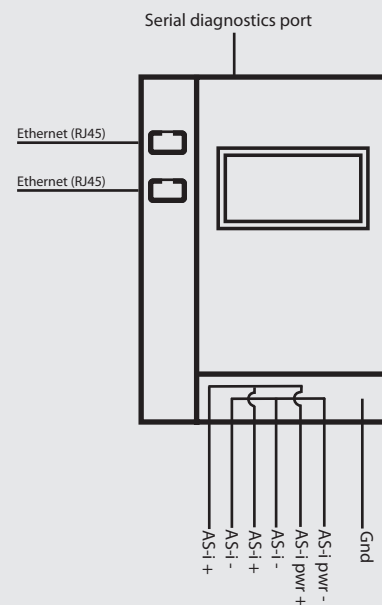| Model number	**AS-Interface to Ethernet (EtherNet/IP and Modbus TCP) gateway**
GW458153A	This AS-Interface/Ethernet gateway interfaces the AS-Interface network to the Ethernet network. The gateway acts as a master for the AS-Interface network and as a node on the Ethernet Network.

Features

- Gateway works with Ethernet/IP and Modbus/TCP
- Integrated Ethernet switch
- Version 3.0 master
- Serial diagnostics port: See SW462008A for cable and software
- Duplicate address detection

Specifications

AS-Interface master version	3.0
Interface	RJ45 10/100 MBaud Ethernet, integrated switch RS232 diagnostic interface
Operating current	300mA
Operating voltage	30VDC AS-Interface voltage
Baud rate	10/100 MBaud
AS-Interface cycle time	150 microsec x (AS-i slaves +2)
Displays	LCD display Power on, green LED Ethernet active, green LED Config error, red LED Voltage ok, green LED AS-i ok, green LED Auto address enabled, green LED Config mode, yellow LED
Operating temperature	0° to 55°C (32° to 131°F)
Dimensions (L,W,H)	120mm, 85mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	500g

Schematic drawing

Serial diagnostics port

Ethernet (RJ45)

Ethernet (RJ45)

AS-i +
AS-i -
AS-i +
AS-i -
AS-i pwr +
AS-i pwr -
Gnd

Graphical display

The new 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

Masters and gateways

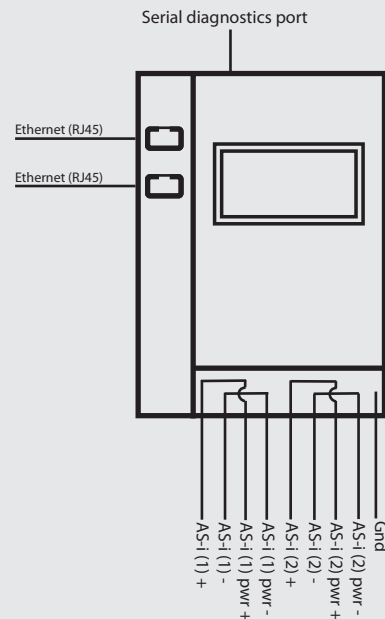|	
Model number	**Dual channel AS-Interface to Ethernet (EtherNet/IP and Modbus TCP) gateway**
GW458154A	This dual channel AS-Interface/Ethernet gateway interfaces two AS-Interface networks to the Ethernet network. The gateway acts as a master for the AS-Interface network and as a node on the Ethernet network.

Features

- Gateway works with Ethernet/IP and Modbus/TCP
- Integrated Ethernet switch
- Version 3.0 master

- Serial diagnostics port: See SW462008A for cable and software
- Duplicate address detection

Specifications

AS-Interface master version	3.0
Interface	RJ45 10/100 MBaud Ethernet, integrated switch RS232 diagnostic interface
Operating current	200mA from AS-i Channel 1 70mA from AS-i Channel 2
Operating voltage	30VDC AS-Interface voltage
Baud rate	10/100 MBaud
AS-Interface cycle time	150 microsec x (AS-i slaves +2)
Displays	LCD display AS-i channel 1/2, green LED Ethernet active, green LED Config error, red LED Voltage ok, green LED AS-i ok, green LED Auto address enabled, green LED Config mode, yellow LED
Operating temperature	0° to 55°C (32° to 131°F)
Dimensions (L,W,H)	120mm, 85mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	500g

Schematic drawing

Serial diagnostics port

Ethernet (RJ45)

Ethernet (RJ45)

AS-i (1) +
AS-i (1) -
AS-i (1) pwr +
AS-i (1) pwr -
AS-i (2) +
AS-i (2) -
AS-i (2) pwr +
AS-i (2) pwr -
Gnd

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

Masters and gateways

Model number

GW458155A

ASi INTERFACE

Dual channel AS-Interface to Ethernet (EtherNet/IP and Modbus TCP) with single power supply feature

This dual channel AS-Interface/Ethernet gateway interfaces (2) AS-Interface network to the Ethernet network. The gateway acts as a master for the AS-Interface network and as a node on the Ethernet network.
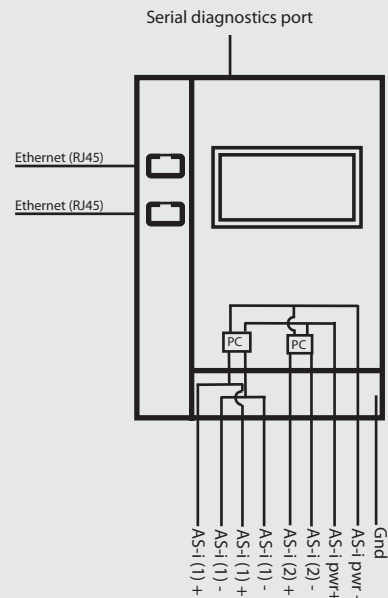
Features

- Gateway works with Ethernet/IP and Modbus/TCP
- Integrated Ethernet switch
- Version 3.0 master
- Duplicate address detection

- Serial diagnostics port: See SW462008A for cable and software
- Single power supply for 2 AS-i networks

Specifications

AS-Interface master version	3.0
Interface	RJ45 10/100 MBaud Ethernet, integrated switch RS232 diagnostic interface
Operating current	250mA
Operating voltage	30VDC
Baud rate	10/100 MBaud
AS-Interface cycle time	150 microsec x (AS-i slaves +2)
Displays	LCD display AS-i channel 1/2, green LED Ethernet active, green LED Config error, red LED Voltage ok, green LED AS-i ok, green LED Auto address enabled, green LED Config mode, yellow LED
Operating temperature	0° to 55°C (32° to 131°F)
Dimensions (L,W,H)	120mm, 85mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	500g

Schematic drawing

Serial diagnostics port

Ethernet (RJ45)

Ethernet (RJ45)

PC   PC

AS-i (1) +
AS-i (1) -
AS-i (1) +
AS-i (1) -
AS-i (2) +
AS-i (2) -
AS-i pwr+
AS-i pwr -
Gnd

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

Masters and gateways

Model number

GW458086A
GW458126A *(ETL)*

AS-Interface to Modbus RS485 gateway

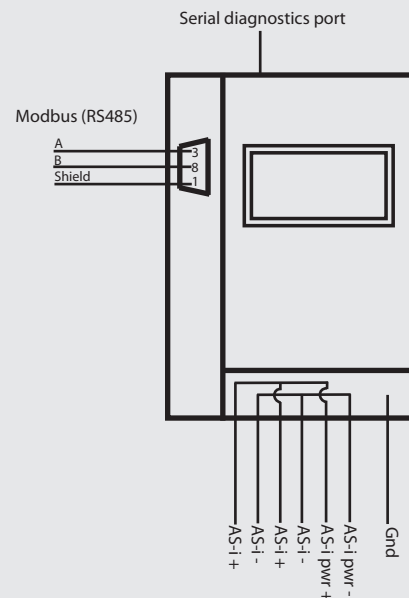Serial AS-Interface master with Modbus communication protocol for operation with host.

Features

- Version 3.0 master, compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Duplicate address detection
- AS-Interface peripheral fault diagnostics

- Serial diagnostics port: see SW462008A for cable and software
- ETL approved Class I Division 2 (GW458126A)

Specifications

AS-Interface master version	3.0
Serial interface	RS485 (9-pin female DB9)
Operating current	200mA (from AS-Interface circuit)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Baud rate	1200k - 115000 baud
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
Buttons	4
Operating temperature	0° to +55℃ (+32° to +131°F)
Storage temperature	-25° to +85℃ (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 75mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	460g (1 pound)
Approvals (GW458126A)	ETL approved Class I Division 2, groups A,B,C,D

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

Masters and gateways

Dual channel AS-Interface to Modbus RS485 gateway
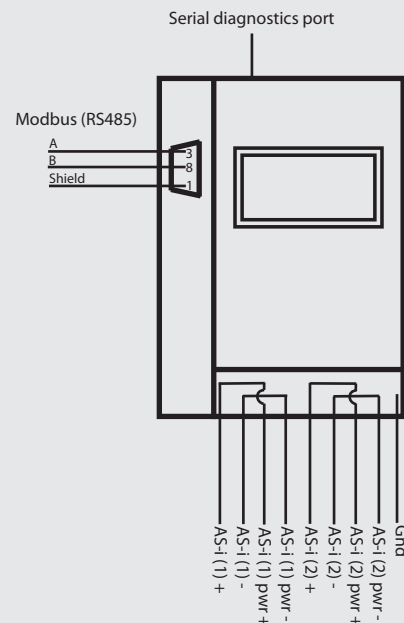Serial AS-Interface master with Modbus communication protocol for operation with host.

Features

- Version 3.0 master, compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- Duplicate address detection
- AS-Interface peripheral fault diagnostics

- Serial diagnostics port: see SW462008A for cable and software
- ETL approved Class I Division 2 (GW458128A)

Specifications

AS-Interface master version	3.0
Serial interface	RS485 (9-pin female DB9)
Operating current	200mA (from AS-Interface circuit 1) 70mA (from AS-Interface circuit 2)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Baud rate	1200k - 115,000 baud
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	Slave addresses and error messages LCD 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
Buttons	4
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, 75mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	460g (1 pound)
Approvals (GW458128A)	ETL approved Class I Division 2, groups A,B,C,D

Schematic drawing

Serial diagnostics port

Modbus (RS485)

A — 3
B — 8
Shield — 1

AS-i (1) +
AS-i (1) -
AS-i (1) pwr +
AS-i (1) pwr -
AS-i (2) +
AS-i (2) -
AS-i (2) pwr +
AS-i (2) pwr -
Gnd

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

Masters and gateways

<table>
<tr><td>Model number

GW458124A
GW458130A *(ETL)*</td><td>

Dual channel AS-Interface to Modbus RS485 gateway with single power supply feature

Serial dual channel AS-Interface master with Modbus communication protocol for operation with host.
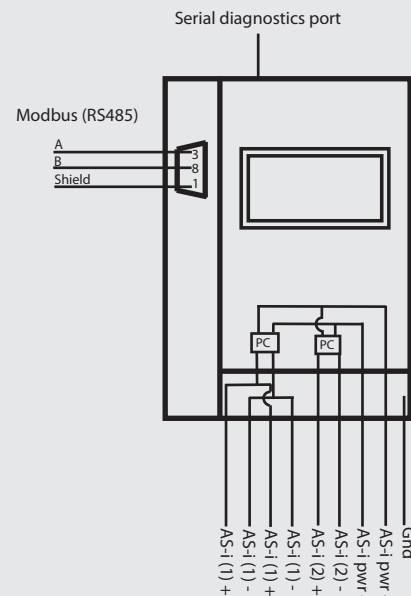
Features

• Version 3.0 master, compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
• Duplicate address detection
• AS-Interface peripheral fault diagnostics

• Serial diagnostics port: see SW462008A for cable and software
• ETL approved Class I Division 2 (GW458130A)
• Single power supply for two AS-Interface networks

</td></tr>
</table>

Specifications

AS-Interface master version	3.0
Serial interface	RS485 (9-pin female DB9)
Operating current	250mA
Operating voltage	30 VDC requires (1) 30VDC power supply
Baud rate	1200k - 115,000 Baud
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +2)
Displays	Slave addresses and error messages LCD 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
Buttons	4
Operating temperature	0° to +55℃ (+32° to +131°F)
Storage temperature	-25° to +85℃ (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 75mm, 83mm
Ingress protection	IP20
Weight	460g (1 pound)
Approvals (GW458130A)	ETL approved Class I Division 2, groups A,B,C,D

Schematic drawing

Serial diagnostics port

Modbus (RS485)

A — 3
B — 8
Shield — 1

PC   PC

AS-i (1) +
AS-i (1) -
AS-i (1) +
AS-i (1) -
AS-i (2) +
AS-i (2) -
AS-i pwr +
AS-i pwr -
Gnd

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

Masters and gateways

Model number	
GW458132A	

AS-Interface to Modbus+ gateway

Serial AS-Interface master with Modbus+ protocol for operation with the host.
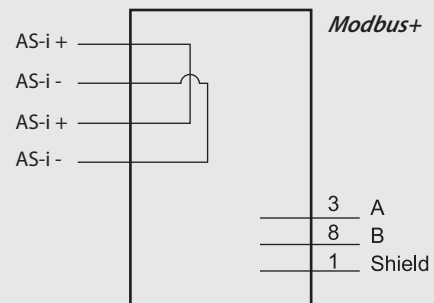
Features

- Direct connection into Modbus+ protocol
- No special software with standard Modbus+ drivers
- Easy programming for slave addresses
- Error diagnostics

Specifications

AS-Interface master version	2.1
Interface	RS485 (9-pin DB9)
Operating current	200mA (from AS-Interface circuit)
Operating voltage	30 VDC AS-Interface voltage (AS-Interface power supply)
Baud rate	1 mbit/sec - Modbus+
AS-Interface cycle time	Cycle time = 150 microsec. x (AS-Interface slaves +1)
Displays	Slave addresses and error messages, 2-digit LCD 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℃ (+32° to +131°F)
Storage temperature	-25° to +82℃ (-13° to +180°F)
Housing	Engineered resin, DIN rail mounting
Dimensions (L, W, H)	75mm, 100mm, 110mm
Ingress protection	IP20, field enclosure required
Weight	420g (0.93 pounds)

Schematic drawing

Masters and gateways

Model number
GW458078A
GW458110A *(ETL)*

AS-Interface to Profibus-DP gateway

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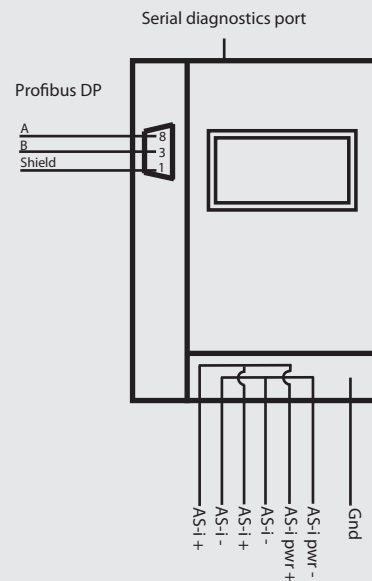
Features

- Duplicate address detection
- Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules
- AS-Inteface peripheral fault diagnostics

- Serial diagnostics port: see SW462008A for software and cable
- ETL approved for Class I Division 2 (GW458110A)

Specifications

AS-Interface master version	3.0
Interface	Profibus-DP
Diagnostic interface	Serial RS232
Operating current	200mA (from AS-Interface circuit)
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 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, 75mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	460g (1.0 pounds)
Approvals (GW458110A)	ETL approved Class I Division 2, groups A,B,C,D

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

Masters and gateways

Model number
GW458080A
GW458112A *(ETL)*

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.
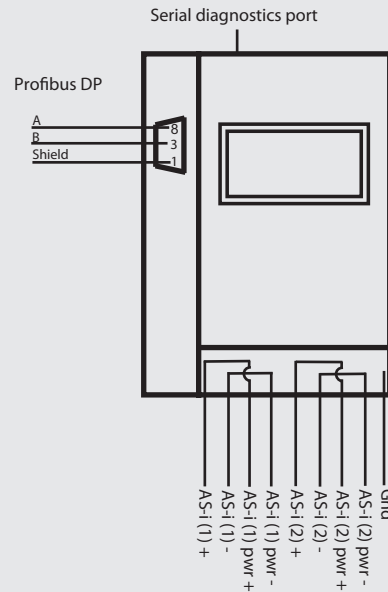
Features

- 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

- Serial diagnostics port: see SW462008A for software and cable
- ETL approved for Class I Division 2 (GW458112A)

Specifications

AS-Interface master version	3.0
Interface	Profibus-DP
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℃ (+32° to +131°F)
Storage temperature	-25° to +82℃ (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 75mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	460g (1.0 pounds)
Approvals (GW458112A)	ETL approved Class I Division 2 groups A,B,C,D

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

AS-Interface

Masters and Gateways

StoneL Model | 458102

AS-Interface to PROFIBUS-DP Basic Gateway

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

Features
• Version 2.1 master-compatible with all 2.0 and 2.1 slaves and 7.3 profile analog modules

Enclosure Option

FR
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Specifications

AS-Interface Master Version

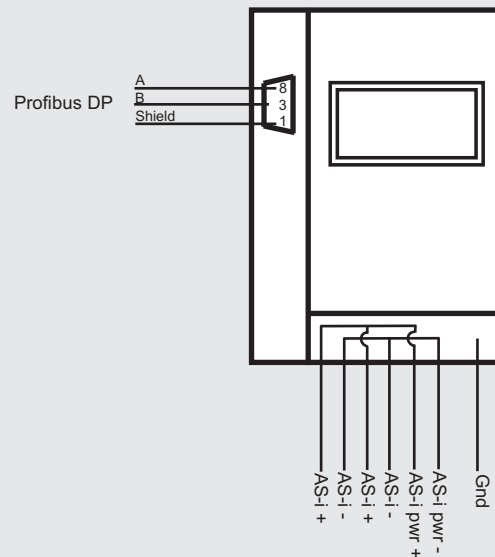|	
	• 2.1
Interface	• PROFIBUS-DP
Operating Current	• 200mA (from AS-Interface circuit)
Operating Voltage	• 30 VDC AS-Interface Voltage (AS-Interface power supply)
Baud Rate	• 9.6k - 12000k Baud (automatic recognition)
AS-Interface Cycle Time	• Cycle Time = 150 microsec. x (AS-Interface Slaves +2)
Displays	• LCD Display
	• 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 Temp.	• 0° to +55°C (+32° to +131°F)
Storage Temp.	• -25° to +85°C (-13° to +185°F)
Housing	• Stainless steel, DIN rail mounting
Dimensions (L,W,H)	• 120mm, 75mm, 83mm
Ingress Protection	• IP20, field enclosure required
Weight	• 460g (1.0 pounds)

Schematic Drawing

Graphical Display

The new 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 handheld. This allows for simpler and faster commissioning.

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

FieldLink
process networking solutions

Masters and Gateways

StoneL Model 458104

Dual Channel AS-Interface to PROFIBUS-DP Basic 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 handheld addressing unit or with the push-buttons on the gateway.

Features
- AS-Interface peripheral fault diagnostics
- Version 2.1 master-compatible with all 2.0 and 2.1 slaves and 7.3 profile analog modules

Enclosure Option

FR
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Specifications

AS-Interface Master Version

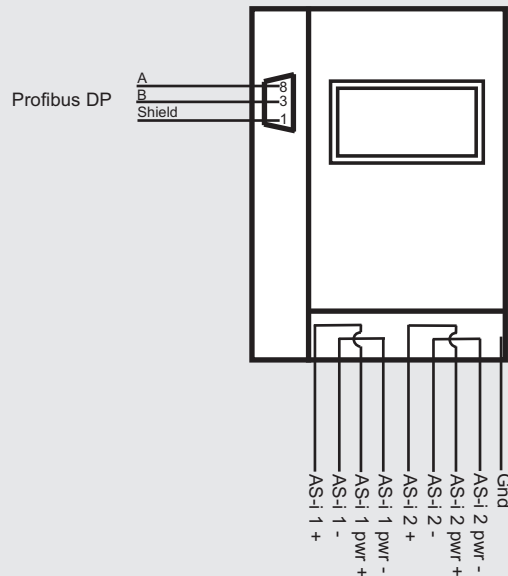|	
	• 2.1
Interface	• PROFIBUS-DP
Operating Current	• 200mA (from AS-Interface 1) • 70mA (from AS-Interface 2)
Operating Voltage	• 30 VDC AS-Interface Voltage (AS-Interface power supply)
Baud Rate	• 9.6k - 12000k Baud (automatic recognition)
AS-Interface Cycle Time	• Cycle Time = 150 microsec. x (AS-Interface 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 Temp.	• 0° to +55°C (+32° to +131°F)
Storage Temp.	• -25° to +85°C (-13° to +185°F)
Housing	• Stainless steel, DIN rail mounting
Dimensions (L, W, H)	• 120mm, 75mm, 83mm (L, W, H)
Ingress Protection	• IP20, field enclosure required
Weight	• 460g (1.0 pounds)

Schematic Drawing

Profibus DP
A — 8
B — 3
Shield — 1

AS-i 1 +
AS-i 1 -
AS-i 1 pwr +
AS-i 1 pwr -
AS-i 2 +
AS-i 2 -
AS-i 2 pwr +
AS-i 2 pwr -
Gnd

Graphical Display

The new 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 handheld. This allows for simpler and faster commissioning.

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

Masters and gateways

Dual channel AS-Interface to Profibus-DP gateway with single power supply feature

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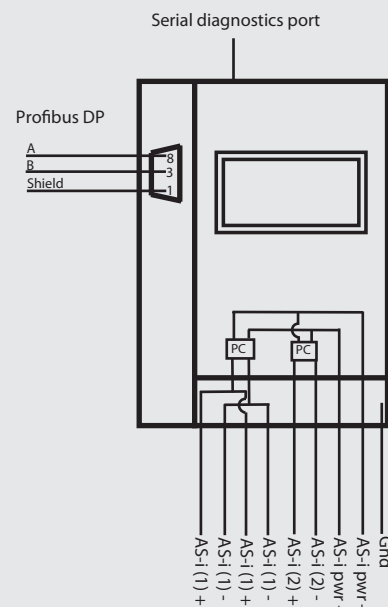
Features

• AS-Interface peripheral fault diagnostics
• Duplicate address detection
• Version 3.0 master-compatible with all 2.0-3.0 slaves and 7.3 profile analog modules

• Serial diagnostics port: see SW462008A for software and cable
• ETL approved for Class I Division 2 (GW458114A)
• Single power supply for two (2) networks

Specifications

AS-Interface master version	3.0
Interface	Profibus-DP
Operating current	250mA
Operating voltage	30 VDC requires (1) 30 VDC 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 +85°C (-13° to +185°F)
Housing	Stainless steel, DIN rail mounting
Dimensions (L, W, H)	120mm, 75mm, 83mm
Ingress protection	IP20, field enclosure required
Weight	460g (1.0 pounds)
Approvals (GW458114A)	ETL approved Class I Division 2, groups A,B,C,D

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

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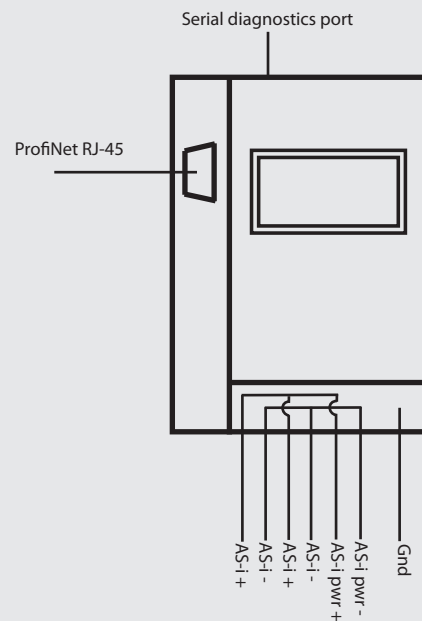
Features
- Duplicate address detection
- Version 3.0 master-compatible with all 2.0 and 3.0 slaves and 7.3 profile analog modules
- AS-Interface peripheral fault diagnostics
- Serial diagnostics port: see SW462008A for software and cable

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)

CE   c(UL)us

Schematic drawing

Serial diagnostics port

ProfiNet RJ-45

AS-i +
AS-i -
AS-i +
AS-i -
AS-i pwr +
AS-i pwr -
Gnd

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