

AXIXLINK NETWORK

▼ AC-MS80-D1 Standard

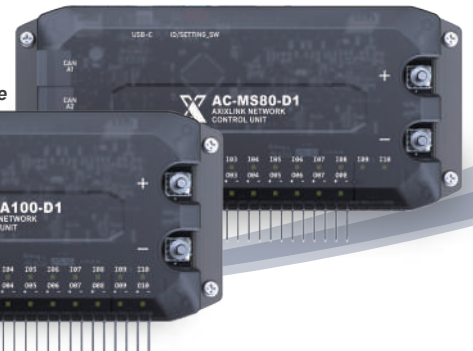
Vehicle Smart Controller Kit



▼ AI-PC80 Control Panel



▼ AC-MA100-D1 Advance



AXIXLINK NETWORK, an integrated warning system devices that elevate your vehicle set-up, allow all your Vehicle Enhancements & Specialty Equipment to be controlled as one unified system; Utilizing CANbus communication at the hardware level, AXIXLINK NETWORK enhances vehicle installation efficiency and product servicing experience.

FEATURES

- **Connectivity Make Simple**
 - Utilize CANBus technology to allow serial communication between units.
 - Significantly reduces wiring complexity.
 - Allow centralised programming and control of peripheral devices.
 - Up-coming support for vehicle CAN database integration.
- **Hardware Complete Line-up**
 - Main hardware includes central controllers and control panels.
 - Supports daisy-chain installation for multi-unit integration.
 - Offers a wide range of peripheral options, including lightbars and control panel configurations.
- **Software Programming Capability**
 - The intuitive PC GUI software empowers users to fully customize every input and output, including mapping, logic processing, event scenarios, exclusivity, flash patterns, cycles and many more.
- **Diagnostic & serviceability**
 - Allow complete view of all connector devices over CANbus network.
 - Real-time voltage and current monitoring.
 - Simulation of input switches for testing and troubleshooting.
- **Integration, Expansion & adaptability**
 - Entire system can be configured and operated as a unified platform.
 - Future proof and expandable design with firmware updates and CANBus bootloader support.
 - Save and deploy configuration files for consistency in every project delivery.

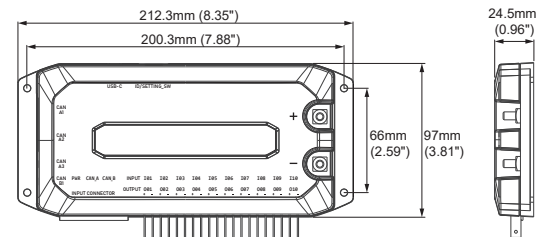
PC GUI SOFTWARE

Contact your sales representative for the software download link.

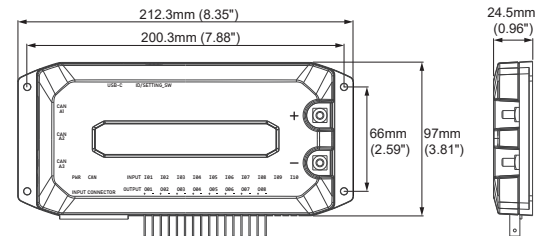


DIMENSIONS

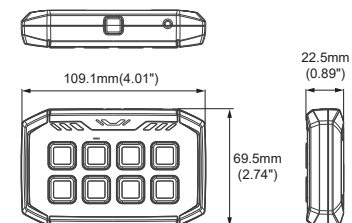
AC-MA100-D1 Main Console Unit



AC-MS80-D1 Main Console Unit



AI-PC80 Input Unit



PART NO.

■ C004-x0010-000

(AC-MA100-D1 MAIN CONSOLE UNIT, 10 OUTPUTS / 10 INPUTS, 12VDC)

■ C005-x0010-000

(AC-MS80-D1 MAIN CONSOLE UNIT, 8 OUTPUTS / 10 INPUTS, 12VDC)

■ C003-x1030-000

(AI-PC80 INPUT UNIT, 8+1BTN CONTROL PANEL, 4M RJ45 CABLE, 12VDC, W/O BRACKET)

Replace **x** for Approval:

0 = Standard

1 = ECE R10

SPECIFICATIONS

Main Console Unit

Model	AC-MA100-D1	AC-MS80-D1
Input voltage	9~16VDC	9~16VDC
Connection	PWR: M5 Nut Power Tap Terminal	PWR: M5 Nut Power Tap Terminal
	Input: 12-Port, Screw Terminal Block include + / -	Input: 12-Port, Screw Terminal Block include + / -
	Output: 10-Ports, 20 Blade Type Connector	Output: 8-Ports, 16 Blade Type Connector
No. of output / input	10 outputs / 10 inputs	8 outputs / 10 inputs
Max. total current	90A (continuous) / 100A (1-minutes)	80A (continuous) / 90A (1-minutes)
Standby current (12V)	w/ IGN input: 60mA	w/ IGN input: 60mA
	w/o IGN input: 0.01 mA	w/o IGN input: 0.01 mA
IGN Input	Input 1 only	Input 1 only
Digital Input	Input 1~10	Input 1~10
Analogue Input	Input 1~10 (Variable voltage 0~20V @ 1V steps)	Input 1~10 (Variable voltage 0~20V @ 1V steps)
Negative input (GND sense)	Input 2~10	Input 2~10
PWM input	Input 2~5 @ <2kHz	N.A.
Input resistance (12V)	Input 1 @16kΩ, Input 2~5 @10kΩ, Input 6~10@22kΩ	Input 1 @16kΩ, Input 2~5 @10kΩ, Input 6~10@22kΩ
Output fuse size	2A, 5A, 7.5A, 10A, 15A, 20A, 25A Adjustable	Output 1~4: 15A each; Output 5~8: 5A each
Motor control H-bridge	2 set (output 7&8, output 9&10)	N.A.
Voltage Limiter	High limit 9.0V ~ 20.0V (@ 0.1V steps)	High limit 9.0V ~ 20.0V (@ 0.1V steps)
	Low limit 9.0V ~ 20.0V (@ 0.1V steps)	Low limit 9.0V ~ 20.0V (@ 0.1V steps)
LED indicator	PWR status & diagnostic, 1 pc, non-programmable	PWR status & diagnostic, 1 pc, non-programmable
	CAN status & diagnostic, 2 pcs, non-programmable	CAN status & diagnostic, 1 pcs, non-programmable
	Input status, 10pcs, non-programmable	Input status, 10pcs, non-programmable
	Output status, 10pcs, adjustable colour & programmable	Output status, 8 pcs, adjustable colour & programmable
Temperature Sensor	Built-in	Via expansion only
Ambient Light Sensor	Via expansion only	Via expansion only
No. of CAN_BUS Port	2 x RJ45 with 12V Power	2 x RJ45 with 12V Power
	2 x 4-PIN Connector	1 x 4-PIN Connector
No. of CAN_BUS Network	2 Networks	1 Networks
Operating Temperature Range	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)
Compliance	ECE R10, CISPR25	ECE R10, CISPR25
Note	■ Advanced Main Console - Includes all features of the Standard model, with additional capabilities - Supports an extra CANBus channel for applications such as vehicle CAN network integration - Allows custom fuse sizing for each output channel - Supports special output modes, including PWM output and flash pattern output - Includes 4 configurable outputs, which can be set up as 2 motor control output sets - Built-in Temperature sensor for monitoring	■ Standard Main Console - Supports 1-channel CANBus network for AXIXLINK connections - Operates as a standalone unit or in a multi-unit linked configuration - Equipped with fixed fuse sizes and customizable slow-blow fuse settings - Status LEDs for every input and output channel - Enables real-time diagnostics and monitoring, including voltage and current readings - Supports positive and negative switching inputs, as well as variable voltage range inputs

Input Unit

Model	AI-PC80
Input voltage	9~16VDC
Connection	1 x RJ45 with 12V Power-IN
No. of Button	9-Tactile Button Swtich
Standby current (12V)	w/ IGN input : 40mA
	w/o IGN input: 0 mA
LED indicator	Button 1~8 : 1 x RGB Under each Button
	Button 9 : 2 x RGB Front-top illuminated area
	TA : 8 x RGB concealed above top-row buttons
Temperature Sensor	Built-in
Ambient Light Sensor	Built-in
Buzzer	Built-in
No. of CAN_BUS Port	1 x RJ45 with 12V Power-IN
No. of CAN_BUS Network	1 Networks
PC connection	Not applicable unless via a main console device
Operating Temperature Range	-40°C to 60°C (-40°F to 140°F)
Compliance	ECE R10, CISPR25