



Monitoring EXpansion Module • MEXM-1

Multiply your Davicom's Input and Output points*

Daisy chain MEXM-1 units together and:

Add up to 128 extra Metering inputs to any one of your Davicom units

Add up to 192 extra Status inputs to any one of your Davicom units

Add up to 72 Relay outputs to any one of your Davicom units

For example, adding a single MEXM-1 to a DV-Micro yields a total of 32 metering inputs, 32 status inputs and 32 relay outputs for a very low price. These extra I/O's are directly integrated into the DV-Micro's control structure, therefore taking full advantage of the Davicom's powerful control, monitoring and automation functions.

Maximum total I/O count for different types of Davicom units by daisy-chaining MEXM-1 units together:

	DV-Micro			DV-Mini			DV-208			DV-216		
	Metering	Status	Relay	Metering	Status	Relay	Metering	Status	Relay	Metering	Status	Relay
Maximum	136	200 [#]	80	136	208 [#]	80	136	208 [#]	88	144	224 [#]	104

[#]In Modbus RTU mode, subtract 24 Status inputs.

Each MEXM-1 scans all its inputs and outputs at a 10Hz rate for fast detection and control.

*Requires Davicom firmware Version 5.40.0 or later. Download latest firmware now by registering as a member at www.davicom.com.

MEXM-1 SPECIFICATIONS

Metering inputs	Number	24
	Voltage ranges	± 2.5 , ± 5 , ± 10 , ± 25 , ± 50 VDC
	Impedance	1M Ω
	Protection	Clamping diode
	Accuracy	1%
	A/D resolution	12 bits
	Connector type	Weidmuller pluggable screw terminal
Status inputs	Number	24
	Logic levels	High=+2.4 to +12VDC, Low=-12 to +0.8VDC. EIA compatible
	Impedance	>22k Ω
	Protection	Optoisolated
	Ground	Internal or External, individually selectable
	Dry/wet contact	Individually selectable with pull-up resistor
	Connector type	Weidmuller pluggable screw terminal
Outputs	Number	24
	Type	Form C Relay or Open collector, individually selectable
	Rating	70VAC@0.4A, 30VDC@2A. Open collector at 100mA
	Connector type	Weidmuller pluggable screw terminal
Interface protocol	Modbus	RTU or TCP modes
RTU Mode	Connector	USB, RJ-9 for a daisy chain of up to 7 units
TCP Mode	Connector	RJ-45
Power supply		12VDC
Typical current requirements (mA) at 12VDC	Idle	150
	Startup	150
	Max (all relays energized)	480
Dimensions		48.3 x 8.7 x 3.6 cm, 19" x 3.44" x 1.42" (including Weidmuller terminals)
Weight (unit only)		1.3 kg

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