Davicom Monitoring EXpansion Module · MEXM-2

*Increase your Davicom's Input points**

Add up to 256 extra status inputs to any one of your Davicom units.

For example, adding a single MEXM-2 with its 64 inputs to a DV-Micro yields a total of 72 status inputs in a cost-effective package. These extra inputs are directly integrated into the DV-Micro's control structure, therefore taking full advantage of the Davicom's powerful control, monitoring and automation functions.

You may also mix MEXM-2 units with other members of the Davicom MEXM family.

Maximum total I/O count for different types of Davicom and MEXM units together*:

	DV-Micro			DV-Mini			DV-208			DV-216		
	Metering	**Status**	**Relay**	**Metering**	**Status**	**Relay**	**Metering**	**Status**	**Relay**	**Metering**	**Status**	**Relay**
Maximum	136	264	80	136	272	80	136	272	88	144	288	104

**Using 6x MEXM-1 and 2x MEXM-2 in TCP mode*

Each MEXM-2 scans all its inputs and outputs at a 10 Hz rate for fast detection and control.

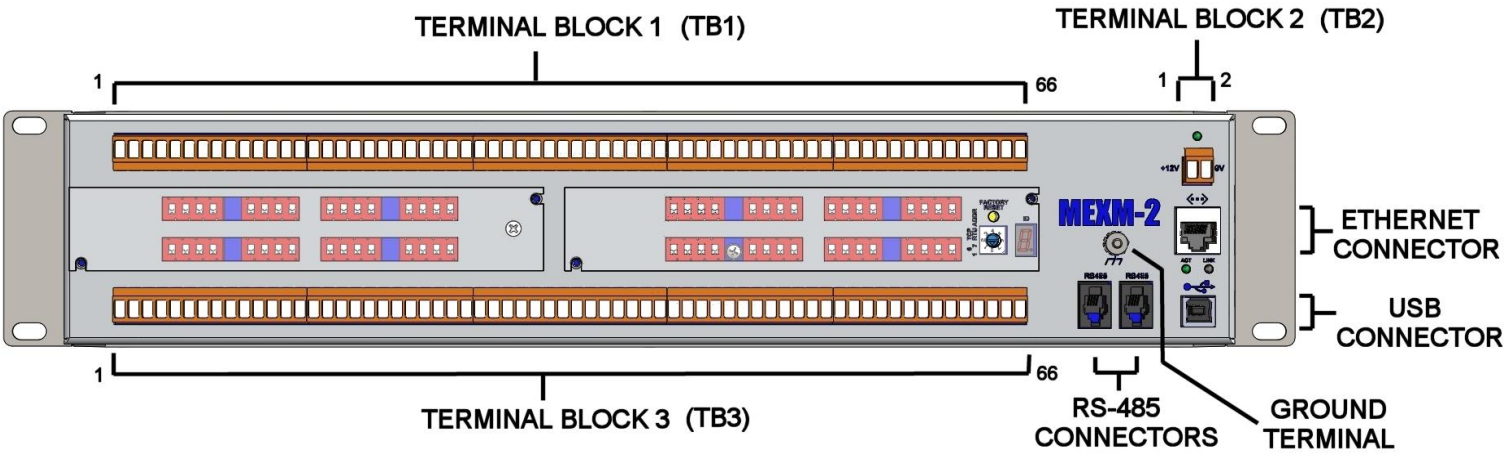
**Requires Davicom firmware Version 5.52.x or later. Download latest firmware now by registering as a member at www.davicom.com*

t. 1.418.682.3380 | f. 1.418.682.8996
www.davicom.com

MEXM-2 SPECIFICATIONS

Status inputs	Number	64
	Logic levels	High=+2.4 to +12VDC, Low=-12 to +0.8VDC. EIA compatible
	Impedance	>22kΩ
	Protection	Optoisolated
	Ground	Internal or External, individually selectable
	Dry/wet contact	Individually selectable with pull-up resistor
	Connector type	Weidmuller pluggable screw terminal
Outputs	+12VDC	250 mA
	+5VDC	250 mA
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	150mA
	Startup	150mA
Dimensions		48.3 cm x 8.7 cm x 3.6 cm 19" x 3.44" x 1.42" (including Weidmuller terminals)
Weight (unit only)		1.3 kg

MEXM-2 ELECTRICAL CONNECTION



TERMINAL BLOCK 1 AND 3 (STATUS INPUTS)

CONTACT	TB1 SIGNAL	TB3 SIGNAL	CONTACT	TB1 SIGNAL	TB3 SIGNAL
1	GND 1	GND 33	34	STATUS INPUT 17	STATUS INPUT 49
2	STATUS INPUT 1	STATUS INPUT 33	35	GND 18	GND 50
3	GND 2	GND 34	36	STATUS INPUT 18	STATUS INPUT 50
4	STATUS INPUT 2	STATUS INPUT 34	37	GND 19	GND 51
5	GND 3	GND 35	38	STATUS INPUT 19	STATUS INPUT 51
6	STATUS INPUT 3	STATUS INPUT 35	39	GND 20	GND 52
7	GND 4	GND 36	40	STATUS INPUT 20	STATUS INPUT 52
8	STATUS INPUT 4	STATUS INPUT 36	41	GND 21	GND 53
9	GND 5	GND 37	42	STATUS INPUT 21	STATUS INPUT 53
10	STATUS INPUT 5	STATUS INPUT 37	43	GND 22	GND 54
11	GND 6	GND 38	44	STATUS INPUT 22	STATUS INPUT 54
12	STATUS INPUT 6	STATUS INPUT 38	45	GND 23	GND 55
13	GND 7	GND 39	46	STATUS INPUT 23	STATUS INPUT 55
14	STATUS INPUT 7	STATUS INPUT 39	47	GND 24	GND 56
15	GND 8	GND 40	48	STATUS INPUT 24	STATUS INPUT 56
16	STATUS INPUT 8	STATUS INPUT 40	49	GND 25	GND 57
17	GND 9	GND 41	50	STATUS INPUT 25	STATUS INPUT 57
18	STATUS INPUT 9	STATUS INPUT 41	51	GND 26	GND 58
19	GND 10	GND 42	52	STATUS INPUT 26	STATUS INPUT 58
20	STATUS INPUT 10	STATUS INPUT 42	53	GND 27	GND 59
21	GND 11	GND 43	54	STATUS INPUT 27	STATUS INPUT 59
22	STATUS INPUT 11	STATUS INPUT 43	55	GND 28	GND 60
23	GND 12	GND 44	56	STATUS INPUT 28	STATUS INPUT 60

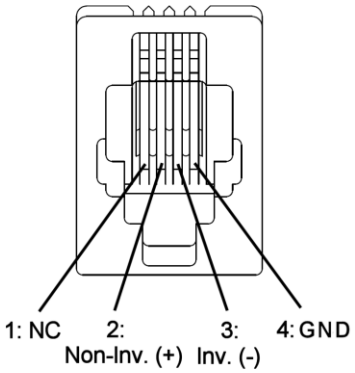
TERMINAL BLOCK 1 AND 3 (Continued)

24	STATUS INPUT 12	STATUS INPUT 44	57	GND 29	GND 61
25	GND 13	GND 45	58	STATUS INPUT 29	STATUS INPUT 61
26	STATUS INPUT 13	STATUS INPUT 45	59	GND 30	GND 62
27	GND 14	GND 46	60	STATUS INPUT 30	STATUS INPUT 62
28	STATUS INPUT 14	STATUS INPUT 46	61	GND 31	GND 63
29	GND 15	GND 47	62	STATUS INPUT 31	STATUS INPUT 63
30	STATUS INPUT 15	STATUS INPUT 47	63	GND 32	GND 64
31	GND 16	GND 48	64	STATUS INPUT 32	STATUS INPUT 64
32	STATUS INPUT 16	STATUS INPUT 48	65	+5V OUT (250mA)	+12V OUT (250mA)
33	GND 17	GND 49	66	GND	GND

TERMINAL BLOCK 2 (POWER SUPPLY)

TB2 pin 1 is +12V
TB2 pin 2 is GND

RS-485 RJ-9 CONNECTORS (RTU CONNECTION TO OTHER MEXM UNITS)



Pin 1: Not connected
Pin 2: Non-inverting input
Pin 3: Inverting input
Pin 4: Ground

GROUND TERMINAL

Screw (6/32) with nut for grounding the MEXM-2.

USB TYPE B CONNECTOR (RTU COMMUNICATION)

USB port for RTU communication mode.

ETHERNET RJ-45 CONNECTOR (TCP COMMUNICATION)

Ethernet port for TCP communication mode.