

Ethernet-based network interface

MG80-NE/EI/PN/EC

High-speed processing (400 μ s) of all axis values and calculations. Perfect for quick cycle times and dynamic measurement.



Main specifications

Main module	MG80-NE	MG80-EI	MG80-PN	MG80-EC
Communication protocol	Ethernet (TCP/TP) 100BASE-TX	EtherNet/IP	PROFINET	EtherCAT
Function	Resolution selection (0.1 to 10 μm), reference point setting, reset, preset, master preset, current value / maximum value / minimum value / P-P value output of each axis, calculation function (2-axis addition and subtraction), comparator function (Up to 8 sets of 2 or 4 steps can be set)			
Transmission speed	100 Mbit/s			
Maximum connectable counter modules	Up to 16 MG80-CM can be connected to each MG80-NE. This enables an overall configuration of up to 64 modules by linked connection.	Up to 16 MG80-CM can be connected to each MG80-EI or MG80-PN. Link up to 255 units via fieldbus IP address configuration.	Up to 16 MG80-CM can be connected to each MG80-EC. Link up to 65,535 units via fieldbus IP address configuration.	
Mounting method	35 mm DIN rail mounting			
Power supply voltage	DC 10.8 to 26.4 V			
Power consumption	2.4 W or less			
Maximum cable length*	20 m (shielded CAT5e LAN cable recommended)			

*The customer must provide the communication cables.

Counter module	MG80-CM
Power consumption	2.0 W or less (measuring unit excluded)
Compatible measuring units	DK series, DT series (via MT13)
Alarm	Frequency response exceeded, measuring unit not connected, cable breakage

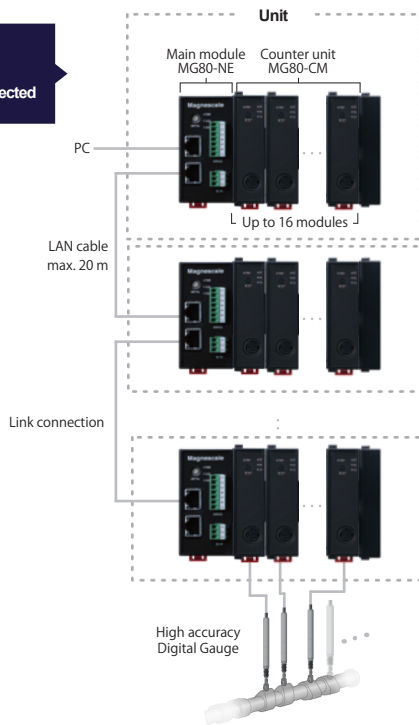
I/O module (Option)*	LZ80-K1/LZ80-K2
Power consumption	2.0 W or less
I/O	9-pole connector × 2 photo coupler insulated 8 input, 8 output LZ80-K1: current sink LZ80-K2: current source

* Cannot connect to MG80-NE

System overview

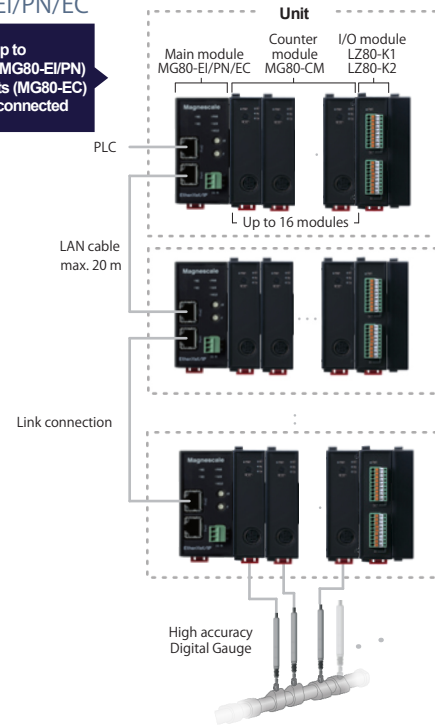
MG80-NE

Up to 4 units can be connected

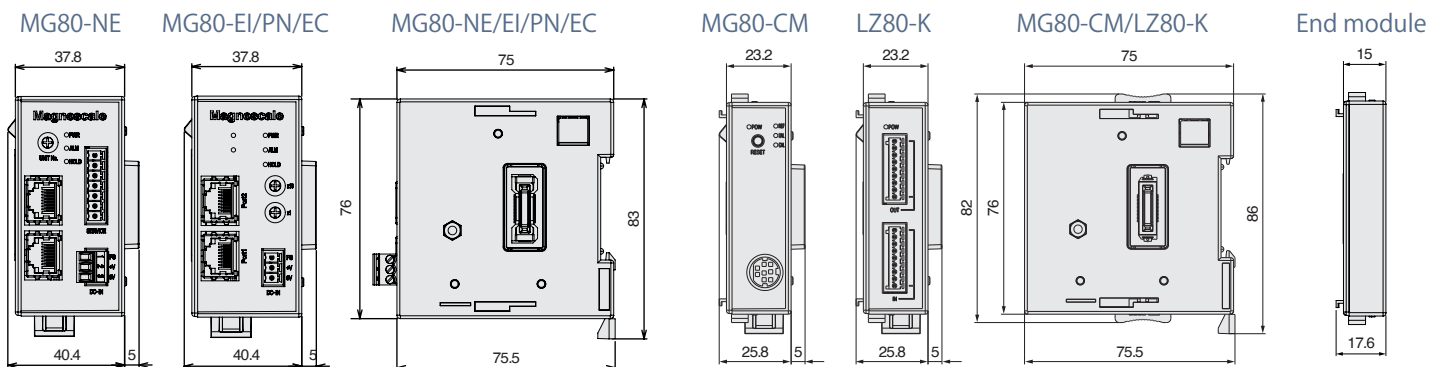


MG80-EI/PN/EC

Up to 255 units (MG80-EI/PN)
65,535 units (MG80-EC) can be connected



Dimensions



⚠ To use this product safely, please read the instruction manual carefully and thoroughly prior to usage.

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