

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 10μm), 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 26.4V			
Power consumption	2.4W or less			
Maximum cable length*	20m (shielded CAT5e LAN cable recommended)			

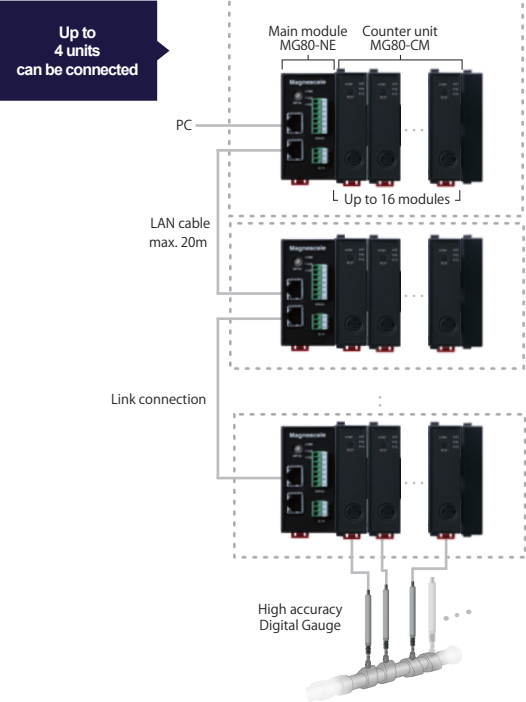
*The customer must provide the communication cables.

Counter module	MG80-CM	I/O module (Option)*	LZ80-K1/LZ80-K2
Power consumption	2.0 W or less (measuring unit excluded)	Power consumption	2.0W or less
Compatible measuring units	DK series, DT series (via MT13)	I/O	9-pole connector × 2 photo coupler insulated 8 input, 8 output LZ80-K1: current sink LZ80-K2: current source
Alarm	Frequency response exceeded, measuring unit not connected, cable breakage		

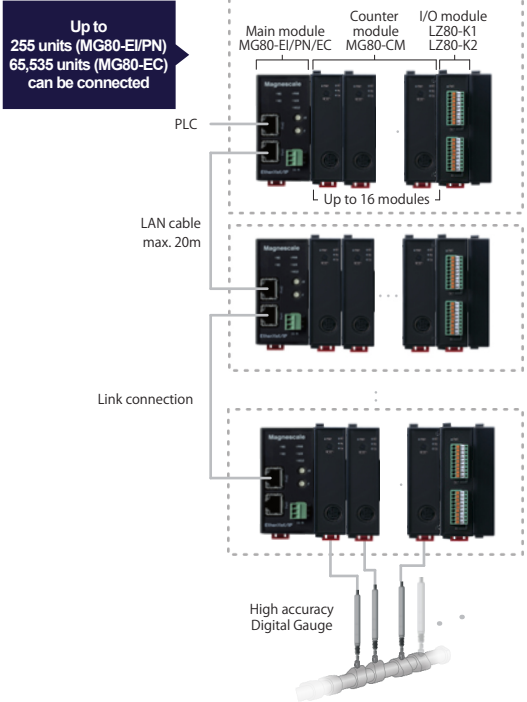
* Cannot connect to MG80-NE

System overview

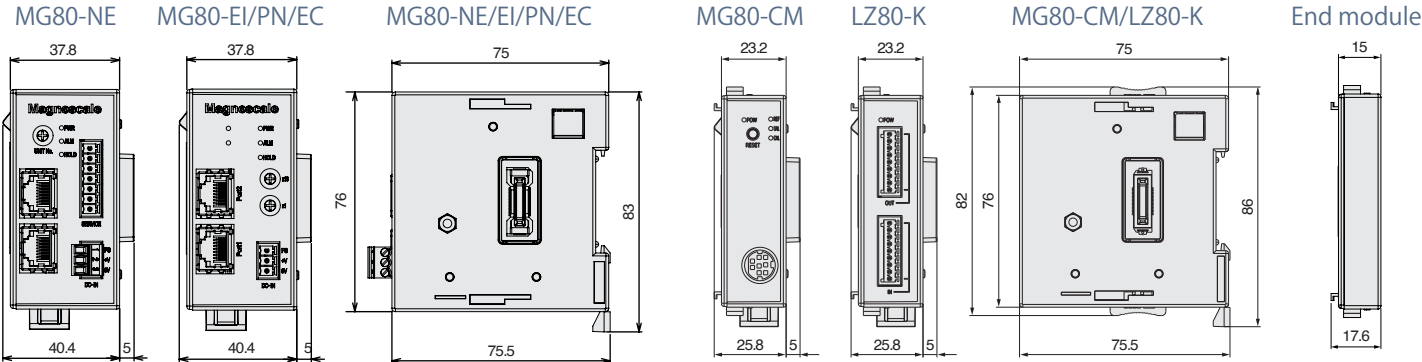
MG80-NE



MG80-EI/PN/EC



Dimensions



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

Magnescale Co., Ltd.

International Sales Department 3-1-4 Edagawa, Koto-ku, Tokyo 135-0051, Japan TEL. +81(0)3-6632-7924
Magnescale Americas Inc. 1 Technology Drive, Suite F217, Irvine, CA 92618, USA TEL. +1(949)727-4017
Magnescale Europe GmbH Antoniusstrasse 14, 73249 Wernau, Germany TEL. +49(0)7153-934-291
Customer support department 45 Suzukawa, Isehara-shi, Kanagawa 259-1146, Japan TEL. +81(0)463-92-2132

www.magnescale.com
www.magnescale.com/en/contact/



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