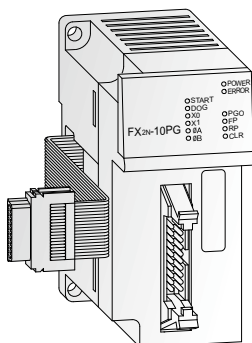


**Positioning Modules**

- FX1S  FX1N  FX2N  FX2NC  FX3U



**FX2N-1PG-E, FX2N-10PG**

The positioning modules FX2N-1PG-E and FX2N-10PG are extremely efficient single-axis positioning modules for controlling either step drives or servo drives (by external regulator) with a pulse chain. They are very suitable for achieving accurate positioning in combination with the MELSEC FX series. The configuration and allocation of the position data are carried out directly via the PLC program.

A very wide range of manual and automatic functions are available to the user.

*Note: When attaching one of the modules to a FX2NC base unit, the interface adapter FX2NC-CNV-IF is required.*

Specifications	FX2N-1PG-E	FX2N-10PG
Signal level for digital inputs	24 V DC / 40 mA	5 V DC / 100 mA; 24 V DC / 70 mA
Power supply	5 V DC / 55 mA (from base unit)	5 V DC / 120 mA (from base unit)
Accessible axes	1	1
Output frequency	pulse/s 10 – 100000	1 – 1000000
Related I/O points	8	8
Weight	kg 0.3	0.2
Dimensions (W x H x D)	mm 43 x 90 x 87	43 x 90 x 87

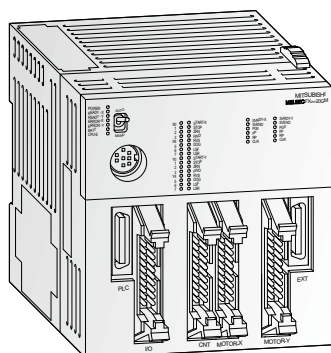
**FX2N-10GM, FX2N-20GM**

The positioning modules are pulse chain output units that enable the positioning control of stepping motors or servo motors via the drive unit.

The comfortable programming software allows even novices to realize complicated positioning tasks in an easy way.

Travel units, handling devices and processing lines with fixed or variable strokes are supported by simple programs for different positioning applications.

*Note: When attaching one of the modules to a FX2NC base unit, the interface adapter FX2NC-CNV-IF is required.*



Specifications	FX2N-10GM	FX2N-20GM
Number of controllable axes	1 axis	2 axes (independently or simultaneously)
Program memory	3.8 K steps with EEPROM	7.8 K steps with built-in RAM (battery backup): EEPROM optionally
Positioning	method	Absolute data or incremental
	units	mm, inch, degree and pulse
	counting resolution	31 bits + sign, -2147483648 to 2147483647
	max. counting frequency	200 kHz
speed	1,530,000 mm/min.	1,530,000 mm/min.
	Related I/O points	8
Power supply	24 V DC (-15 % to +10 %)	24 V DC (-15 % to +10 %)
Power consumption	W 5	10
Weight	kg 0.3	0.4
Dimensions (W x H x D)	mm 60 x 90 x 87	86 x 90 x 87