

EtherNet/IP Products

Drives and Integrated Motors with EtherNet/IP Communication Ports

EtherNet/IP™



Product Features

- *Stepper and servo systems with built-in EtherNet/IP communications*
- *Support for Class 1 implicit (I/O) and Class 3 explicit messaging*
- *ODVA Conformant*
- *Access to all drive and motion commands and parameters over EtherNet/IP network*
- *Full Q programming capability*
- *Sample code and documentation available for popular PLCs*
- *Auto-sensing, auto-crossover 10/100 Mbit Ethernet*
- *Support for Ethernet UDP & TCP protocols*

Series Details:

The Applied Motion stepper and servo products listed above incorporate EtherNet/IP network communications, the widely used industrial protocol for manufacturing automation applications. With EtherNet/IP users can control, configure and query drives using an open, standards-based, industrial Ethernet connection at speeds up to 100 MBits/sec.

Applied Motion drives and motors with EtherNet/IP – designated by “IP” in the model number – run all of the same control modes as “Q” drives, with the addition that all drive features can be accessed over EtherNet/IP. This means that “IP” drives can operate in step (pulse) & direction, torque (servo), velocity, and streaming serial command (SCL) modes, as well as run stand-alone Q programs stored in non-volatile memory. This level of control includes access to more than 100 commands and 130 data registers over the EtherNet/IP network, which can be used for controlling motion & I/O, configuration, polling, math, register manipulation, and more.

EtherNet/IP is an industrial Ethernet network solution built on the Common Industrial Protocol (CIP), and is supported by the [ODVA](#). Drives and integrated motors from Applied Motion Products are ODVA Conformant under [Declaration of Conformity 11785](#).

Support Documentation:

- EtherNet/IP implementation and messaging details:
[Host Command Reference](#) (see Appendix H)
- General overview of Applied Motion’s EtherNet/IP implementation:
[EtherNet/IP white paper](#)
- App Note with sample code for connecting Allen Bradley® CompactLogix PLC to Applied Motion drives:
[App Note 22](#)
- App Note with sample code for connecting Allen Bradley® MicroLogix PLC to Applied Motion drives:
[App Note 23](#)
- App Note with Add-On Instructions for Allen Bradley® RSLogix5000 software:
[App Note 24](#)
- [ODVA Declaration of Conformity 11785](#)

Products in the Series *EtherNet/IP Products*

Title	Type	Description	1pc.
SSM23IP-2EG	StepSERVO Integrated Motor	NEMA 23 Integrated StepSERVO™ Motor w/ EtherNet/IP	\$690.00
SSM23IP-3EG	StepSERVO Integrated Motor	NEMA 23 Integrated StepSERVO™ Motor w/ EtherNet/IP	\$702.00
SSM23IP-4EG	StepSERVO Integrated Motor	NEMA 23 Integrated StepSERVO™ Motor w/ EtherNet/IP	\$714.00
ST10-IP-EE	Stepper Drive	DC EtherNet/IP Advanced Microstep Drive w/ Encoder Input	\$852.00
ST10-IP-EN	Stepper Drive	DC EtherNet/IP Advanced Microstep Drive	\$791.00
ST5-IP-EE	Stepper Drive	DC EtherNet/IP Advanced Microstep Drive w/ Encoder Input	\$786.00
ST5-IP-EN	Stepper Drive	DC EtherNet/IP Advanced Microstep Drive	\$728.00
STAC5-IP-E120	Stepper Drive	AC EtherNet/IP Advanced Microstep Drive w/ Encoder Input	\$852.00
STAC5-IP-E220	Stepper Drive	AC EtherNet/IP Advanced Microstep Drive w/ Encoder Input	\$852.00
STAC5-IP-N120	Stepper Drive	AC EtherNet/IP Advanced Microstep Drive	\$791.00
STAC5-IP-N220	Stepper Drive	AC EtherNet/IP Advanced Microstep Drive	\$791.00
STF03	Stepper Drive	DC Advanced Microstep Drive w/ Multi Fieldbus options	\$185.00
STF06	Stepper Drive	DC Advanced Microstep Drive w/ Multi Fieldbus options	\$198.00
STF10	Stepper Drive	DC Advanced Microstep Drive w/ Multi Fieldbus options	\$211.00
STM23IP-2EE	Integrated Stepper	NEMA 23 Integrated Drive+Motor w/ EtherNet/IP & Encoder	\$630.00
STM23IP-2EN	Integrated Stepper	NEMA 23 Integrated Drive+Motor w/ EtherNet/IP	\$540.00
STM23IP-3EE	Integrated Stepper	NEMA 23 Integrated Drive+Motor w/ EtherNet/IP & Encoder	\$642.00
STM23IP-3EN	Integrated Stepper	NEMA 23 Integrated Drive+Motor w/ EtherNet/IP	\$552.00
STM24IP-3EE	Integrated Stepper	NEMA 24 Integrated Drive+Motor w/ EtherNet/IP & Encoder	\$751.00
STM24IP-3EN	Integrated Stepper	NEMA 24 Integrated Drive+Motor w/ EtherNet/IP	\$661.00
SV2A3-IP-DE	Servo Drive	Digital Servo Drive w/ EtherNet/IP interface	\$680.00
SV2A5-IP-DE	Servo Drive	Digital Servo Drive w/ EtherNet/IP interface	\$836.00
SV2B3-IP-DE	Servo Drive	Digital Servo Drive w/ EtherNet/IP interface	\$680.00
SV2B5-IP-DE	Servo Drive	Digital Servo Drive w/ EtherNet/IP interface	\$836.00
SV2D10-IP-DE	Servo Drive	DC powered Digital Servo Drive w/ Ethernet IP interface	\$478.00
SWM24IP-3EE	Integrated Stepper	IP65 Rated NEMA 24 Integrated Drive+Motor	\$1028.00
TSM34IP-1DG	StepSERVO Integrated Motor	NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$803.00
TSM34IP-3DG	StepSERVO Integrated Motor	NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$874.00
TSM34IP-5DG	StepSERVO Integrated Motor	NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$965.00
TSM34IP-6DG	StepSERVO Integrated Motor	NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$1066.00
TXM24IP-1EG	StepSERVO Integrated Motor	IP65 Rated NEMA 24 Integrated StepSERVO™ Motor w/ EtherNet/IP	\$1025.00
TXM24IP-3EG	StepSERVO Integrated Motor	IP65 Rated NEMA 24 Integrated StepSERVO™ Motor w/ EtherNet/IP	\$1078.00
TXM34IP-1DG	StepSERVO Integrated Motor	IP65 Rated NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$1291.00
TXM34IP-3DG	StepSERVO Integrated Motor	IP65 Rated NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$1362.00
TXM34IP-5DG	StepSERVO Integrated Motor	IP65 Rated NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$1453.00
TXM34IP-6DG	StepSERVO Integrated Motor	IP65 Rated NEMA 34 StepSERVO Integrated Motor w/ EtherNet/IP	\$1555.00