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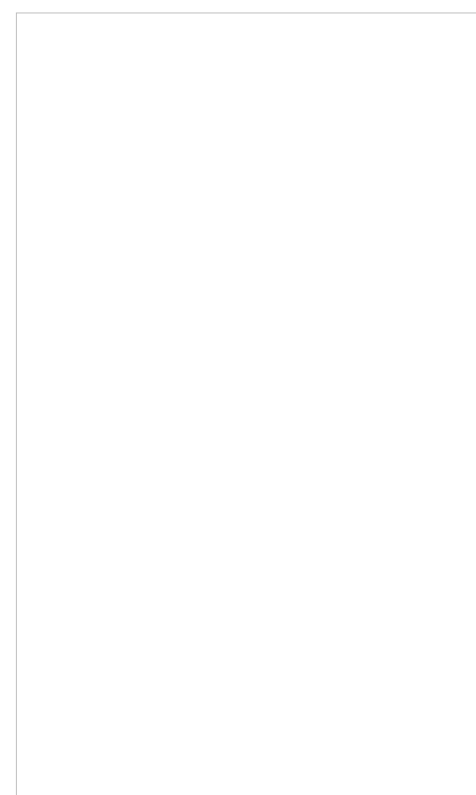
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## Product Datasheet

[www.Applied-Motion.com](http://www.Applied-Motion.com)

# EtherNet/IP Products

## Drives and Integrated Motors with EtherNet/IP Communication Ports



### 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

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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](#) [164]. Drives and integrated motors from Applied Motion Products are ODVA Conformant under [Declaration of Conformity 11785](#) [165].

### **Support Documentation:**

- EtherNet/IP implementation and messaging details:  
[Host Command Reference](#) [166] (see Appendix H)
- General overview of Applied Motion’s EtherNet/IP implementation:  
[EtherNet/IP white paper](#) [167]
- App Note with sample code for connecting Allen Bradley® CompactLogix PLC to Applied Motion drives:  
[App Note 22](#) [168]
- App Note with sample code for connecting Allen Bradley® MicroLogix PLC to Applied Motion drives:  
[App Note 23](#) [169]
- App Note with Add-On Instructions for Allen Bradley® RSLogix5000 software:  
[App Note 24](#) [170]
- [ODVA Declaration of Conformity 11785](#) [165]