

## Communication Option Cards

The AC20 takes advantage of commonly available third-party communication modules, allowing communication over a range of popular protocols. Also included in the supported range are Ethernet IP and ProfiNet modules, for when two ports are required. Adding an Ethernet based option card is possible in addition to the onboard Modbus TCP/IP, ProfiNet or Ethernet IP port.

<b>2003-CB-00</b>	<b>CANopen communication interface</b>
<b>Supported Protocols</b>	DS301 V4.02
<b>Communication Speed</b>	10 k, 20 k, 50 k, 125 k, 250 k, 500 k, 1 Mbits/s or automatically detected
<b>Max. number of devices</b>	127
<b>Supported Messages</b>	SDO, PDO, NMT, SYNC



<b>2003-EC-00</b>	<b>EtherCAT communication interface</b>
<b>Supported Protocols</b>	CANopen over EtherCAT (CoE) DS301 compliant
<b>Communication Speed</b>	100 Mbits/s
<b>Max. number of devices</b>	65534
<b>Supported Messages</b>	SDO, PDO, NMT, SYNC



<b>2003-IP-00</b>	<b>Ethernet IP communication interface</b>
<b>Supported Protocols</b>	Ethernet IP
<b>Communication Speed</b>	10/100 Mbits/s full/half duplex
<b>Max. number of devices</b>	Virtually unlimited
<b>Supported Messages</b>	Up to 256 bytes of consumed data and 256 bytes of produced data, CIP parameter object support, Explicit messaging



<b>2003-PB-00</b>	<b>PROFIBUS DP-V1 communication interface</b>
<b>Supported Protocols</b>	PROFIBUS-DP; Demand data and Data exchange
<b>Communication Speed</b>	Up to 12 Mbits/s; automatically detected
<b>Max. number of devices</b>	32 per segment, 126 total
<b>Supported Messages</b>	Up to 152 bytes cyclic I/O, 68 bytes class 1 and 2 acyclic data, 152 bytes configuration data. GSD file provided



<b>2003-RS-00</b>	<b>RS485 / Modbus RTU communication interface</b>
<b>Supported Protocols</b>	Modbus RTU
<b>Communication Speed</b>	1200 to 115 200 bits/s
<b>Max. number of devices</b>	247
<b>Supported Messages</b>	Up to 256 bytes of cyclic I/O data in each direction



<b>2003-PN-00</b>	<b>PROFINET I/O communication interface</b>
<b>Supported Protocols</b>	PROFINET I/O generic device
<b>Communication Speed</b>	10/100 Mbits/s full/half duplex
<b>Max. number of devices</b>	Up to 128 submodules in total
<b>Supported Messages</b>	Up to 256 bytes of cyclic I/O in data in each direction

