The Anybus Communicator CAN makes it possible to connect devices with a CAN-port to all major fieldbus and industrial Ethernet networks. The Anybus Communicator CAN performs an intelligent conversion between a CAN-based protocol of an automation device and the chosen fieldbus/Ethernet network. The Communicator CAN is a compact gateway that consumes very little space in a switching cabinet and is easily mounted onto a standard DIN rail.

### FEATURES AND BENEFITS
- CAN protocol converter gateways connecting CAN devices to fieldbus/Ethernet networks
- Support for custom CAN 1.0, 2.0A and 2.0B protocols
- Handles mixed Produce/Consume and Request/Response protocols and transactions
- No hardware or software changes needed to your devices
- No PLC code or function blocks required
- Compatible with PLCs from all leading manufacturers
- Versions with Dual Port switched Ethernet allows for daisy chaining and eliminates the need for external switches
- High performance, fast throughput, max 5 ms
- Anybus Configuration Manager included for easy visual CAN frame building
- Dynamic transaction controlled by network master
- Global free technical support and consultancy
- See www.anybus.com for application notes and instruction videos on how to configure the gateway

### FLEXIBLE CAN CONFIGURATION
The included Anybus Configuration Manager is an easy-to-use, visual CAN frame building tool that requires no programming or scripting skills. FDT/DTM based version of the Anybus Configuration Manager are available.

The flexible CAN frame building method makes it possible to configure almost any CAN-based Produce/Consume and Request/Response protocol used in the industry.

The uplink fieldbus or Ethernet slave interface is configured using a standard device description file (GSD/EDS) in the PLC engineering tool.

### USER PREREQUISITES
Knowledge of the CAN protocol to be converted/configured.
### TECHNICAL SPECIFICATIONS

**Communicator CAN**
- **Protocol**: Configurable CAN 1.0, 2.0A and 2.0B based protocols
- **Baud rate**: 20 kbits - 1 Mbit/s
- **Physical standards**: CAN

**Technical Details**
- **Weight**: 100 g, 0.33 lb
- **Dimensions (L x W x H)**: 129x72x27 mm, 4.72x2.83x1.06"
- **Protection class**: IP20, NEMA rating 1
- **Enclosure material**: PC ABS, UL 94
- **Installation position**: Any
- **Mounting**: DIN rail (35•7,5/15)

**Certifications**
- **UL File number**: E 203225
- **Hazardous Locations**: CLASS 1, DIVISION 2, GROUPS A, B, C AND D, T4
- **ATEX**: ATEX15A-12.12.01-2000
- **CE**: 2004/108/EC

**Electrical Characteristics**
- **Power**: 24 VDC +/- 10 %
- **Current consumption**: Up to 120 mA
- **ATEX**: Cont. Eq.

**Environmental Characteristics**
- **Operating temp**: -25 to 55 °C, -13 to 131 °F
- **Storage temp**: -40 to 85 °C, -40 to 185 °F
- **Relative Humidity**: 5-95 % non condensing
- **Installation altitude**: Up to 2000 m

**Immunity and emission for industrial environment**
- **Electronic discharge**: 4 kV
- **Electromagnetic RF fields**:
  - 10 V/m 80 MHz - 2 GHz
  - 3 V/m 1.4 GHz - 2 GHz
  - 1 V/m 2.0 GHz - 2.7 GHz
- **Fast Transients**: +1 kV
- **Surge protection**: +1 kV
- **RF conducted interference**: 10 V/m rms
- **Emission (at 10 m)**:
  - 40 dB 30 MHz - 1 GHz

**Single Pack Accessories**
- Configuration Cable (USB) Port
- Installation sheet
- Dsub with screw terminals for subnetwork

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### NETWORK SPECIFIC FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANopen</td>
<td>1 = Network connector, 2 = Baud rate, 3 = I/O data, 4 = Other</td>
</tr>
<tr>
<td>CC-Link</td>
<td>1 = 1 port, 5.0B Phoenix Plug, 2 = Up to 10 Mb/s</td>
</tr>
<tr>
<td>DeviceNet</td>
<td>1 = 1 port, 5.0B Phoenix Plug, 2 = Up to 125-500 kbits, 3 = 512 byte INOUT, 4 = Communications adapter, profile n. 12</td>
</tr>
<tr>
<td>EtherCAT - 2 port</td>
<td>1 = 1 port, 5.0B Phoenix Plug, 2 = Up to 100 Mbit/s, 3 = 512 byte INOUT, 4 = Communications adapter, profile n. 12</td>
</tr>
<tr>
<td>EtherNet/IP - 2 port</td>
<td>1 = 1 port, 5.0B Phoenix Plug, 2 = 10/100 Mbit, 3 = 512 byte INOUT, 4 = Ethernet/IP group 2 and 3 server, Modbus TCP slave functionality</td>
</tr>
<tr>
<td>Modbus RTU</td>
<td>1 = 1 port, 5.0B Phoenix Plug, 2 = 1-2.076 kbits, 3 = 512 byte INOUT, 4 = RS232 and RS485</td>
</tr>
<tr>
<td>Modbus TCP - 2 port</td>
<td>1 = 2 ports, 10/100 Mbit/s, 2 = 100 Mbit/s, 3 = 512 byte INOUT, 4 = Security framework</td>
</tr>
<tr>
<td>PROFINET - 1 port</td>
<td>1 = 1 port, 100 Mbit/s, 2 = 512 byte INOUT, 4 = RT Communication and Cyclic data exchange</td>
</tr>
<tr>
<td>PROFINET IRT - 2 port</td>
<td>1 = 2 ports, 100 Mbit/s, 2 = 100 Mbit/s, 3 = 220 byte INOUT, 4 = RT Communication and Support for I&amp;M</td>
</tr>
</tbody>
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