

Communicator



EtherNet/IP Scanners

Need to connect your EtherNet/IP device to another device running on different industrial networks? The Anybus Communicator has your back! No special cables, software, or training is required.

The EtherNet/IP Scanner from Anybus are designed to ensure reliable, secure, and high-speed data transfer between EtherNet/IP and different industrial Ethernet and Fieldbus networks. Very easy to install and deploy, the stand-alone gateways enable transparent data exchange allowing you to both bridge and integrate legacy equipment into modern high-performance networks.

High performance

Instant data transfer of up to 1500 bytes with hardware accelerated endian conversion (byte swap) enables you to take full advantage of high-speed industrial networks.



Cybersecurity

Designed to keep you safe from cyberattacks. Secure boot protects you against malicious software and a security switch adds physical protection to prevent unauthorized configuration changes.



Durability

Built using carefully selected industrial components and verified against industry standards. Proven network conformance thanks to the market-leading NP40 network processor.



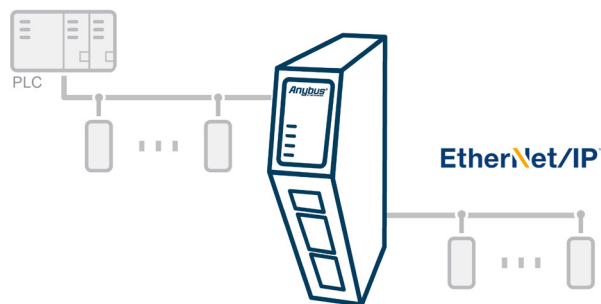
User-friendly

You'll be up and running in no time, thanks to an intuitive web user interface, EDS file import, an Ethernet configuration cable, easy-to-understand documentation, and an effective housing design.



Product selection

Article nr	Control system	Device(s)
ABC3300	PROFIBUS	EtherNet/IP
ABC3313	PROFINET	EtherNet/IP
ABC3328	Modbus TCP	EtherNet/IP
ABC3361	EtherCAT	EtherNet/IP
ABC3390	Common Eth.*	EtherNet/IP
ABC3300EX	PROFIBUS	EtherNet/IP
ABC3390EX	Common Eth.*	EtherNet/IP



*Common ethernet: select among EtherNet/IP, EtherCAT and PROFINET control system



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General

Dimensions with connectors (L x W x H)	98 x 27 x 144 mm / 3.85 x 1.06 x 5,67 in
Weight	150 grams, 0.33 lb
IP rating	IP20
Housing material	PC ABS, UL 94 VO
Mounting	DIN rail (35 * 7,5/15)
Operating temperature	-25 to 70° C, -13 to 158° F
Configuration	Web based via Ethernet configuration port
Industrial network connector(s)	2xRJ45 10/100 Mbit (daisy chaining) / DB9 (PROFIBUS)
Certification	CE, UKCA, UL ord loc (E214107), KC, RMC
MTBF	> 1 500 000 h, Telcordia Method I Case 3 at 30° C

Power

Input voltage	12- 30 VDC
Current consumption	Typical 90mA @ 24V (2.2W) Maximal 3W
Power connector	3-pin plug with screw terminal
Protection	Reverse voltage protection and short circuit protection

Network specifications

EtherNet/IP Scanner	
<ul style="list-style-type: none"> - Transfer up to 1 500 bytes to EtherNet/IP devices - Transfer up to 1 500 bytes from EtherNet/IP devices - Total supported cyclic process data: 3000 bytes - Up to 32 adapters nodes - Drag and drop I/O configuration for data mapping 	<ul style="list-style-type: none"> - Transfer data cyclically or on data change - 1ms minimum cycle time for three adapters - Gateway latency < 1ms - Endian conversion (without affecting latency) - Live list and data exchange control per adapter
PROFINET IO Device	EtherCAT SubDevice
<ul style="list-style-type: none"> - Transfer up to 1 024 bytes from PROFINET - Transfer up to 1 024 bytes to PROFINET - Total supported cyclic process data: 2048 bytes - 1 ms minimum cycle time - Conformance class B, Real-Time (RT) - Network load robustness, Netload Class III 	<ul style="list-style-type: none"> - Transfer up to 1 486 bytes from EtherCAT - Transfer up to 1 486 bytes to EtherCAT - Total supported process data: 2 972 bytes - EtherCAT SubDevice according to IEC 61158 Type 12 (ETG.1000) - Network cycle time down to 100 µs - Supports CANopen over EtherCAT
Modbus TCP Server	PROFIBUS DP Device (DPV1/DPV0)
<ul style="list-style-type: none"> - Transfer up to 1 500 bytes to Modbus TCP - Transfer up to 1 500 bytes from Modbus TCP - Total supported process data: 3 000 bytes - 4 connections - Function codes 01-06, 15-16, 23, 43/14 	<ul style="list-style-type: none"> - Transfer up to 244 bytes to PROFIBUS - Transfer up to 244 bytes from PROFIBUS - Total supported process data: 488 bytes - Automatic baud rate detection up to 12 Mbit/s - Sync, Freeze and Watchdog - I&M Ident numbers 0-31x