



司騰達股份有限公司  
BHP Industry Solution

PROFINET

EtherCAT

EtherNet/IP

CC-Link

Modbus

PROFIBUS

CANopen

HMS Connecting Devices



Now with ...  
CPC UA

X-Gateway

DeviceNet

WiFi



# 司騰達股份有限公司

HMS 台灣總代理 – Remote Access 跨國遠端連線與自動化工業的最佳選擇

司騰達公司致力於推廣數位化工廠和 IIoT 工業物聯網的解決方案，並與歐洲最先進的公司 – HMS 集團合作，同時透過引進更多歐美的技術能量，提供客戶關於工業 4.0 的顧問諮詢服務，並將教育與產業連結，協助台灣產業逐步完成從現場設備、生產資訊、通訊 IoT 的垂直整合，並整合 M2M 工業總線與軟體開發，從而實現數位化工廠與自動化機械領域的創新。



司騰達聯絡訊息

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## Anybus Communicator - PROFINET

Integrate your serial RS-232/422/485 based industrial devices and equipment to a PROFINET control system without the need for any changes to the device. Just connect, configure and you're done!

The Anybus Communicator is a proven and trusted protocol converter gateway that connects non-networked industrial devices and equipment to PROFINET. The gateway performs an intelligent protocol conversion and presents the serial data to the Master PLC/Controller as easily processed I/O data.

The Communicator is slim stand-alone gateway designed for IP20 and DIN-rail mounting, requiring a 24-volt power supply. The Communicator is conformance tested to current PROFINET specifications guaranteeing network compatibility.

### CONVERT ALMOST ANY TYPE OF SERIAL PROTOCOL

The Communicator is capable of converting almost any type of serial protocol such as Modbus RTU, ASCII, DF1 or any other type of proprietary Query/Response or Produce/Consume protocol.

### TYPICAL SERIAL APPLICATIONS

Typical serial applications include variable frequency drives, sensors, actuators, human machine interfaces, barcode readers, RFID readers and industrial scales among others.

### FEATURES & BENEFITS

Convert almost any RS-232/422/485 Request/Response or Produce/Consume protocol in just a few minutes — For example Modbus RTU, ASCII, DF1.

Pre-defined for Modbus RTU. Avoid the hassle of scripting and serial Modbus frame building with the 6-step Modbus RTU wizard.

No hardware or software changes are required for the connected automation device

Compatible with PLCs from leading manufacturers such as Siemens, Rockwell, Schneider Electric etc

Complete protocol conversion performed by the Communicator, no PLC function blocks required

Handy Save/Load function means a completed configuration can be re-used for many other installations

Included "Anybus Configuration Manager" with flexible serial frame building capabilities

Versions with Dual Port switched Ethernet allows for daisy chaining and eliminates the need for external switches

Global free technical support and consultancy

### SERIAL FEATURES

No high level programming skills are needed to set up the Anybus® Communicator as configuration is accomplished using the included, easy to use Windows™ based ACM (Anybus Configuration Manager).

Selectable RS-232/422/485 interface

Pre-defined 6-step Modbus-RTU configuration wizard

Selectable pre-loaded DF1 commands. No scripting or serial frame building required!

Ability to configure ASCII or vendor specific protocols (Request/Response or Produce/Consume via a visual frame building interface

Multi-language support for English, German, Spanish, Italian, French, Polish, Russian, Chinese and Japanese

Handy Save/Load function allows for a completed configuration to be re-used for many other installations

Password protection prevents unauthorized upload and download of configurations

Serial Line Listener and In-built Checksum calculations for diagnostic and troubleshooting



## PROFINET INTERFACE FEATURES

Complete PROFINET-IO Soft-Real-Time (RT) communication  
Max 512 bytes of Input and 512 bytes of Output data  
Up to 64 slots / 1 sub slot  
Cyclic data exchange (10 ms cycle time)  
Acyclic Data exchange (Record Data Requests)  
Baud rate 10/100 Mbit/s  
TCP/IP Configuration via DCP (Discovery and Configuration Protocol)  
PROFINET uplink configuration via .GSDML file  
1x RJ45 network connector

## TECHNICAL SPECIFICATIONS COMMUNICATOR RS-232/422/485

<b>Protocol</b>	Configurable RS-232/422/485 based produce/consume, query/response ASCII
<b>Max stations</b>	31 (with RS485/422)
<b>Baud rate</b>	1,2-57,6 kbit/s
<b>Physical standards</b>	RS232/422/485
<b>Modbus Commands</b>	0x01 Read Coils, 0x02 Read Discrete Inputs, 0x03 Read Holding Registers, 0x04 Read Input Registers, 0x05 Write Single Coil, 0x06 Write Single Register, 0x07 Read Exception Status, 0x08 Diagnostics, 0x0B Get Comm Event Ctr, 0x0C Get Comm Event Log, 0x0F Write Multiple Coils, 0x10 Write Multiple Registers, 0x11 Report Slave ID, 0x14 Read File Record, 0x15 Write File Record, 0x16 Mask Write Register, 0x17 Read/Write Multiple Registers, 0x18 Read FIFO Queue Customized commands can be created (in the Anybus Configuration Manager)
<b>DF1 Services</b>	0x01 Integrity Check, 0x02 Read Diagnostics, 0x03 Read Data, 0x04 Write Data Customized services can be created (in the Anybus Configuration Manager) Technical Details Standard

## TECHNICAL DETAILS

<b>Dimensions (L x W x H) with serial and power connector</b>	120 x 75 x 27 mm 4,72 x 2,95 x 1,06"	
<b>Weight</b>	150 grams, 0.33 lb	
<b>Protection class</b>	IP20 Nema rating 1	
<b>Enclosure material</b>	I PC ABS, UL 94	
<b>Installation position</b>	Any	
<b>Mounting</b>	DIN rail (35 * 7,5/15)	EN50022

## CERTIFICATIONS

<b>UL</b>	File number: E203225	UL 508 Ind. Cont. Eq.
<b>Hazardous Locations</b>	CLASS 1, DIVISION 2, GROUPS A, B, C AND D, T4	ISA 12.12.01
<b>CE</b>	2004/108/EC	EN 61000-6-4 EN 61000-6-2

## ELECTRICAL CHARACTERISTICS

<b>Power</b>	24 VDC +/- 10 %
<b>Current consumption</b>	Max 300 mA, Typical 100 mA

## ENVIRONMENTAL CHARACTERISTICS

<b>Reverse voltage protection</b>	Yes	
<b>Short circuit protection</b>	Yes	
<b>Galvanic isolation on subnetwork</b>	Yes	EN 60950-1
<b>MTTF</b>	>550 000 h	Telcordia Issue 2, Method 1 Case 3 at 30 o C

## HARDWARE CHARACTERISTICS

<b>Operating temp</b>	0 to 55 o C, 32 to 131 o F
<b>Storage temp</b>	-40 to 85 o C, -40 to 185 o F
<b>Relative Humidity</b>	0-95% non condensing
<b>Installation altitude</b>	up to 2 000 m

## IMMUNITY AND EMISSION FOR INDUSTRIAL ENVIRONMENT

<b>Electrostatic discharge</b>	+/- 4 kV	EN 61000-4-2
<b>Electro magnetic RF fields</b>	10 V/m 80 MHz - 1 GHz 3 V/m 1,4 GHz - 2,0 GHz 1 V/m 2,0 GHz - 2,7 GHz	EN 61000-4-3
<b>Fast Transients</b>	+/- 1 kV	EN 61000-4-4
<b>Surge protection</b>	+/- 1 kV	EN 61000-4-5
<b>RF conducted interference</b>	10 V/rms	EN 61000-4-6
<b>Emission (at 10 m)</b>	40 dB 30 MHz - 230 MHz 47 dB 30 MHz - 1 GHz	CISPR 16-2-3

## Content of delivery

- Configuration Cable (RS232) Port
- Installation sheet
- Dsub with screw terminals for sub network

## Ordering Information

### ORDER CODE: AB7013

### INCLUDED COMPONENTS:

- Quick start documentation
- Configuration cable (RS-232) is supplied with every single-piece Communicator shipment
- D-sub connector with screw terminals for serial sub-network is supplied with every single-piece Communicator shipment
- Configuration software available for download
- (Power supply not included)

### OPTIONAL ACCESSORIES:

- USB-RS-232 configuration adapter (Order Code: 019570)

**GUARANTEE:** 3 years

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# 司騰達股份有限公司

自動化工業與跨國遠端連線的最佳選擇

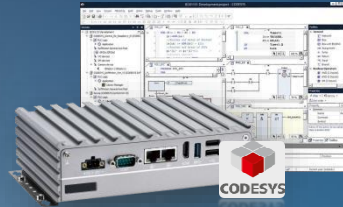
Ewon Flexy205  
VPN+IOT 物聯網



Anybus X-Gateway



CODESYS SoftPLC



物聯網可視化平台  
Jmobile Runtime IPC



i4-SCADA IPC



## 工業 4.0 數位工廠與 工業物聯網解決方案

Ewon Cosy131  
VPN 遠端連線



SIEMENS PLC  
S7-1200



SIEMENS PLC  
ET 200SP IO



SIEMENS PLC  
S7-1500



SIEMENS HMI



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