

Communication Protocols

Communication protocols

The set of supported communication protocols is still being extended. Each of the protocol documentations describes the current state. You can find here information on configuration of communication lines, stations and I/O tags for individual protocols. Only some of the supported communication protocols are described in the on-line help. Documentation of the others is available on demand.

Communication protocol	Operating system	Line category	Redundancy support	Target column of structure
ABB SRIO X3.28	all	Serial, SerialOverUDP Device Redundant	Yes	
ABB Elektro	Win32	FILE I/O		
ABB SPA-Bus	all	Serial, SerialOverUDP Device Redundant	Yes	
Advantech ADAM 4000 Series	all	Serial, SerialOverUDP Device Redundant	Yes	
Advantech ADAM 5000 DeviceNet	Win32	API		
Advantech Data Acquisition Card	Win32	API		
Allen-Bradley CSP/PCC (Client Server Protocol / Programmable Controller Communication Command)	all	TCP/IP-TCP	Yes	
Allen-Bradley DF1 Full Duplex	all	Serial, SerialOverUDP Device Redundant	Yes	
Allen-Bradley DH485	Win 32	KMFB02 Allen-Bradley DH485		
Alfa Laval Combimass	all	Serial		
ALYA Gina	all	Serial, SerialOverUDP Device Redundant		
ALYA Lubrikacie	all	Serial, SerialOverUDP Device Redundant	Yes	
ALYA MMP	Win32	API		
ALYA SPOOL	Win32	Serial, SerialOverUDP Device Redundant		
ALYA VT200	all	TCP/IP-UDP	Yes	
AMiT ATOUCH32 DB-Net	Win32	API		Yes
AMiT ARION	all	Serial, SerialOverUDP Device Redundant		
ASCII Client/Server	all	Serial	Yes	
BACnet	TCP/IP-UDP - all LonWorks - Win32	TCP/IP-UDP, LonWorks		
Contal CR	all	Serial, SerialOverUDP Device Redundant		
Datalogger ESC8800	all	Serial		
Datalogger ESC8816	all	Serial, SerialOverUDP Device Redundant, TCP/IP-TCP	Yes	
DDE Client	Win32	DDE client		
Diamo-L KOS/SOS	all	Serial, SerialOverUDP Device Redundant		
DLMS/COSEM	all	Serial, SerialOverUDP Device Redundant, MODEM		
EDW LPEX V2.0	all	FILE I/O	Yes	
Elcor ELGAS Daniel	all	Serial, SerialOverUDP Device Redundant	Yes	
Elcor ELGAS-2 (CP II)	all	Serial, SerialOverUDP Device Redundant	Yes	
Fisher-Rosemount RS3 RNI	Win32	API		
Fisher-Rosemount RS3 SCI	all	Serial, SerialOverUDP Device Redundant		
Generic User Protocol	all	Serial, Serial Line Redundant, Serial System&Line Redundant, MOXA IP Serial Library, TCP/IP-TCP, TCP/IP-TCP Redundant, SerialOverUDP Device Redundant, SerialOverUDP Line Redundant, SerialOverUDP System&Line Redundant,	Yes	
GPIO Protocol	only Linux on Raspberry PI and clones	API	Yes	

HART	all	Serial, SerialOverUDP Device Redundant, TCP/IP-TCP, TCP/IP-TCP Redundant	Yes	
Hivus	Win32	Serial, MOXA IP Serial Library		
Honeywell Excel C-Bus	Win32	KMFB02 Honeywell C-Bus		
Honeywell PCNM	Win32	API		
HOPF 7515	all	Serial, SerialOverUDP Device Redundant		
Hydrolab DATASONDE 4a	all	Serial		
ID-Innovations RFID ASCII	all	Serial, SerialOverUDP Device Redundant	Yes	
ID-Karta IdxAPI	Win32	API		
IEC 61850	all	TCP/IP-TCP	Yes	Yes
IEC 62056-21:2002 File I/O	Win32	FILE I/O	Yes	
IEC 62056-21:2002 Serial	all	Serial, SerialOverUDP Device Redundant, MODEM	Yes	
IEC 870-5-101 (balanced, unbalanced primary, unbalanced secondary)	all	Serial, Serial Line Redundant, MOXA IP Serial Library, SerialOverUDP Device Redundant, SerialOverUDP Line Redundant, SerialOverUDP System&Line Redundant	Yes	
IEC 870-5-104	all	TCP/IP-TCP, TCP/IP-TCP Redundant	Yes	
IEC 870-5-104 Server	all	TCP/IP-TCP	Yes	
IEC 870-5-104 Sinaut	all	TCP/IP-TCP Redundant	Yes	
IEC 60870-6 ICCP/TASE.2	all	TCP/IP-TCP, TCP/IP-TCP Redundant	Yes	
IND690	all	Serial, SerialOverUDP Device Redundant		
Incos/VUVT PMEL 04	all	Serial, SerialOverUDP Device Redundant	Yes	
Johnson Controls N2-Bus	all	Serial, SerialOverUDP Device Redundant		
KMZ Lite Protocol KMZ Protocol	all	TCP/IP-TCP	Yes	
LFC (IEC 870-5)	all	Serial, TCP/IP-UDP, SerialOverUDP Device Redundant	Yes	
LonTalk	Win32	LONWORKS		
L&G ProfiBus	Win32	KMFB02 L&G ProfiBus		
L&G PRV Fugga	all	Serial, SerialOverUDP Device Redundant		
L&G Toccata	all	Serial, SerialOverUDP Device Redundant	Yes	
L&G Toccata via UNIP2	all	Serial, SerialOverUDP Device Redundant	Yes	
LoRaWAN	all	SerialOverUDP Device Redundant, TCP/IP-TCP	Yes	
MDIS device	Windows	API		
MEN-SMB2 device	Windows	API		
MESIT Devices	all	ASYNCR, SerialOverUDP Device Redundant		
Microtel 700	all	Serial, SerialOverUDP Device Redundant, TCP/IP-UDP	Yes	
MODBUS Client	all	Serial, SerialOverUDP Device Redundant, TCP/IP-TCP, TCP/IP-TCP Redundant	Yes	
MODBUS Server	all	Serial, SerialOverUDP Device Redundant, TCP/IP-TCP	Yes	
MODBUS Circutor CVMk	all	Serial		
MODBUS Codel DSU	all	Serial, SerialOverUDP Device Redundant		
MODBUS RTU Quad2000	all	Serial		
MODBUS Telemecanique TSX	all	Serial, SerialOverUDP Device Redundant		
MODBUS Valmet Damatic RTU	all	Serial		
MODBUS SCT PPU	all	Serial, SerialOverUDP Device Redundant	Yes	
M-Bus Rev. 4.8	all	Serial, SerialOverUDP Device Redundant, MOXA IP Serial Library		
MT Printer	all	Serial, SerialOverUDP Device Redundant		
MQTT Client (Message Queue Telemetry Transport)	all	TCP/IP-TCP	Yes	

NMEA-0183	all	Serial, SerialOverUDP Device Redundant, File I/O	Yes	
OMV24	all	Serial, SerialOverUDP Device Redundant	Yes	
OneSoft devices	all	Serial, SerialOverUDP Device Redundant	Yes	
OPC Data Access 2.05 & Client	Win32	OPC Client	Yes	Yes
OPC Historical Data Access 1.20 Client	Win32	OPC Client		
OPC Unified Architecture Data Access Client	all	OPC UA Client	No	Yes
OPC XML Data Access 1.01 Client	all	OPC XML	Yes	
Orange GDEP	all	TCP/IP-TCP		
Paufex DIRAS	all	Serial		
Paufex DIRAS-B	all	Serial		
PCMB/IEC870-FT1.2	all	Serial, SerialOverUDP Device Redundant		
PCMB/IEC870-FT1.2 Scan	all	Serial, SerialOverUDP Device Redundant		
Plantscape ODBC	Win32	API		
Premex CALMEX II	all	Serial, SerialOverUDP Device Redundant	Yes	
Remia E3	all	Serial, SerialOverUDP Device Redundant, TCP/IP-UDP		
Remia KME	all	TCP/IP-UDP	Yes	
RFE	Win32	FILE I/O		
SAE RTU	all	Serial, SerialOverUDP Device Redundant, TCP/IP-TCP	Yes	
Servomex XENTRA 4900	all	Serial		
SHMU Data	all	MODEM		
Siemens SAPHIR	all	TCP/IP-TCP, TCP/IP-TCP Redundant		
Siemens SIMATIC 3964(R)	all	Serial		
Siemens SIMATIC RK512	all	Serial, SerialOverUDP Device Redundant		
Siemens SIMATIC S7 ISO on TCP	all	TCP/IP-TCP, TCP/IP-TCP Redundant	Yes	Yes
SMS gateway	all	MODEM		
SNMP	all	TCP/IP-UDP	Yes	
Telegyr 809 Server	all	Serial, Serial Line Redundant, Serial System&Line Redundant, SerialOverUDP Device Redundant, SerialOverUDP Line Redundant, SerialOverUDP System&Line Redundant, TCP/IP-TCP	Yes	
Teltonika Codec14	all	TCP/IP-TCP		
Transcon DAP 128TC	all	Serial, SerialOverUDP Device Redundant	Yes	
UNIP	all	Serial, SerialOverUDP Device Redundant	Yes	
VONSCH VQfrem 400	all	Serial, SerialOverUDP Device Redundant	Yes	
Wonderware Industrial SQL	Win32	API		
Wonderware InBatch API	Win32	API		
ZPA INMAT 64/65	all	Serial, SerialOverUDP Device Redundant		
ZPA INMAT 51/66	Win32, OpenVMS, Linux	Serial, SerialOverUDP Device Redundant	Yes	



Related pages:

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