

XBL Expansion Units

XBL-EMTA - XGB Communication Module - Ethernet 10/100

Part Number		XBL-EMTA
Communication specification		10/100 Base-TX
Protocol		TCP/IP, UDP/IP
Service	With IMO PLCs	High-speed link, P2P service
	With other devices	P2P service
	Application	XGT Dedicated protocol Server/Client, Modbus/TCP Server/Client
HS link sending/Receiving data		200 Words/block (Max. 64blocks)
No. of channel Connectable to upper stage		6 channels
Service		Communication with PC (HMI) and external devices, High-speed communication among IMO PLCs
Media		UTP/STP Category 5
Current consumption (mA)		300



XBL-C21A & C41A - XGB Communication Module - RS232 & RS485/422

Part Number		XBL-C21A	XBL-C41A
Interface		RS-232C 1ch	RS-422 / 485 1ch
MODEM function		Remote communication via the external MODEM (XBL-C21A Only)	
Mode	Dedicated mode	1:1 or 1:N via the dedicated protocol	
	XG500 mode	Program download, Upload and control via the remote control	
	P2P mode	Communication defined by the protocol using XG-PD XGT/Modbus master	
Operation Mode	Server (slave)	XGT/Modbus server, User-defined communication	
	Client (master)	XGT/Modbus P2P Master, User-defined communication	
Data Format	Start Bit	1	
	Data Bit	7 or 8	
	Stop Bit	1 or 2	
	Parity	Even / Odd / None	
	Setting	Setting by XG-PD parameter	
Synchronous		Asynchronous	
Speed (bps)		1,200/2,400/4,800/9,600/19,200/38,400/57,600/115,200 bps	
Station number		Setting by XG-PD, Max. 32 stations	
Distance		RS-232C: Max.15m (Expansion by MODEM), RS-422/485: Max 500m	
MODEM communication		Support	-
Network		1 : 1	1 : N
Diagnostic		Via LED and XG-PD	
Max. expansion		2 stages	2 stages



XBL Expansion Units

RAPiEnet (XBL-EIMT) - XGB Communication Module - Ethernet 10/100

	Part Number	RAPiEnet (XBL-EIMT)
Transmission Standard	Transmission Speed	100Mbps
	Transmission Method	Base band
	Max. extension distance between nodes	100m
	Max. number of nodes	64
	Max. protocol size	1,516 bytes
	Access method to service zone	CSMA / CD
	Frame error check	$CRC\ 32 = X^{32} + X^{26} + X^{23} + \dots + X^2 + X + 1$
	Normal communication guarantee	Max. 1,200 (packet/sec)
Basic standard	Dimension (mm)	90(H) x 27(W) x 60(D)
	Current consumption (mA)	290
	Weight (g)	102

