XGT Computer-Link

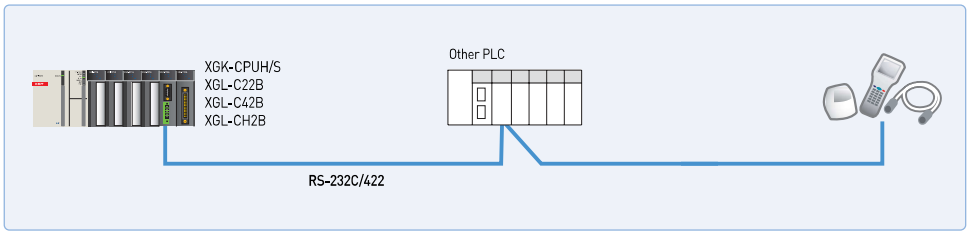
Features

- Smart server recognizes the protocol (XGT dedicated communication or Modbus RTU/ASCII) automatically and operates.
- Repeater mode is able to use as an insulated repeater or convert RS-232C to RS422/485.
- Contains built- in termination resistor and it can be set in the basic parameter window.
- Easy protocol editing and communication parameter setting: XG5000
- Long-distance communication via modem connection
- Dedicated protocol for multi-drop configuration connectable up to 32 units
- RS-232C/422 communication port
- Flexible communication speed setting (300~115,200bps)
- Supporting full duplex and half duplex communication
- Max. 12 modules available in one CPU
- P2P service: User-defined communication and XGT/ Modbus master
- Various connection to MMI S/W(XGT, Modbus RTU, Modbus ASCII)
- Various diagnosis functions using XG5000 (I/O, link status, service status)
- Communication service information (Dedicated service, P2P service)
- Supporting simultaneously dedicated service in remote connection
- Communication without additional setting when replacing communication module

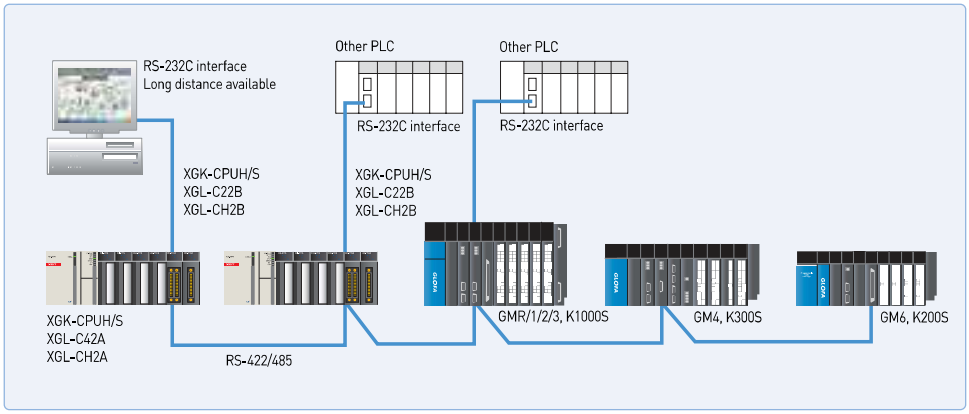
Various independent operation mode

- Operation mode
- Dedicated protocol mode (Simultaneous support)
- Program upload/download by XG5000 protocol (RS-232C) Communication using LSIS dedicated protocol
- User-defined communication of P2P mode and XGT/Modbus master

Communication via RS-232C/422



1: N and N: M connection (LSIS and other)

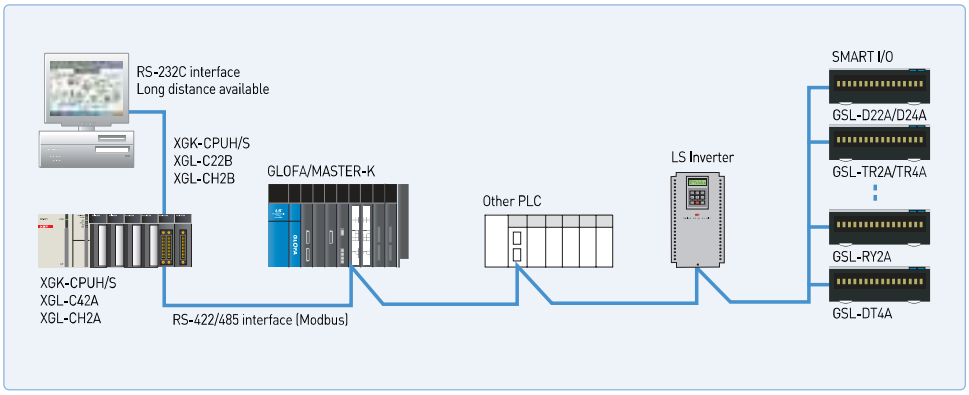


Specifications

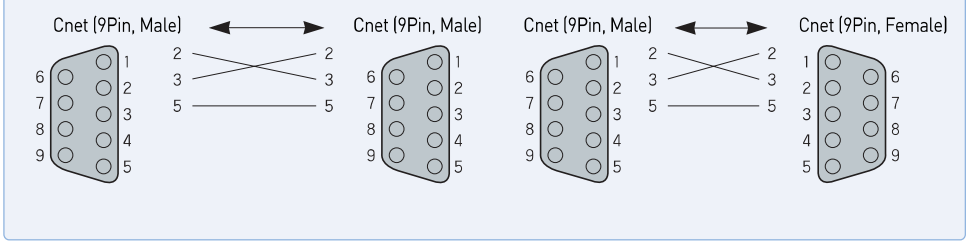
Item		Specification		
		XGL-C22B	XGL-CH2B	XGL-C42B
Serial communication channel	RS-232C	2 channels	1 channel	-
		Conforms to RS-232C standard		
	Line config	1:1		
	RS-422/485	-	1 channel	2 channels
			Conforms to RS-422/485 standards	
	Line config		1:1, 1:n, n:1	
Modem connection function		Remote communication with external devices is available via public telephone line by connecting external modem to the module.		-
Operating mode (specified per port)	P2P	XGT client, Modbus ASCII/RTU client, Use defined communication		
	SERVER	XGT server, Modbus ASCII/RTU server		
Data type	Start Bit	1		
	Data Bit	7 or 8		
	Stop Bit	1 or 2		
	Parity	Even/Odd/None		
Synchronization type		Asynchronous type		
Detecting error		BYTE SUM, WORD SUM, BYTE XOR, DLE AB, DLE SIEMENS, LSIS CRC, CRC 16, BYTE SUM 2' COMP, BYTE SUM 1's COMP 7BIT SUM, 7BIT XOR, CRC 16 IBM, CRC 16 CCITT		
Transmission speed (bps)		300/600/1,200 / 1,800 / 2,400 / 3,600 / 4,800 / 7,200 / 9,600/19,200 / 38,400 / 57,600 / 64,000 / 76,800 / 115,200 bps		
Station No. setting		Setting range : 0-31, Max. station No. : 32 stations		
Transmission Distance(m)		RS-232C: Max.15 (extendible if modem used)		-
		-	RS-422/485: Max. 1,200m	
Diagnosis function		Status LED diagnosis XG5000 diagnosis service(Frame monitor, Status by service, Loop-Back diagnosis) History, Saving history		
Appearance size(mm)		98(H) X 27(W) X 90(D)		
Current consumption(mA)		420	480	520
Weight(g)		121	119	116

* XGL-CH2A / C42A and XGL-CH2B / C42B differ from RS-422 / 485 communication connecter wiring, you refer to the operation manual.

Modbus



Cnet cable connection



NETWORK