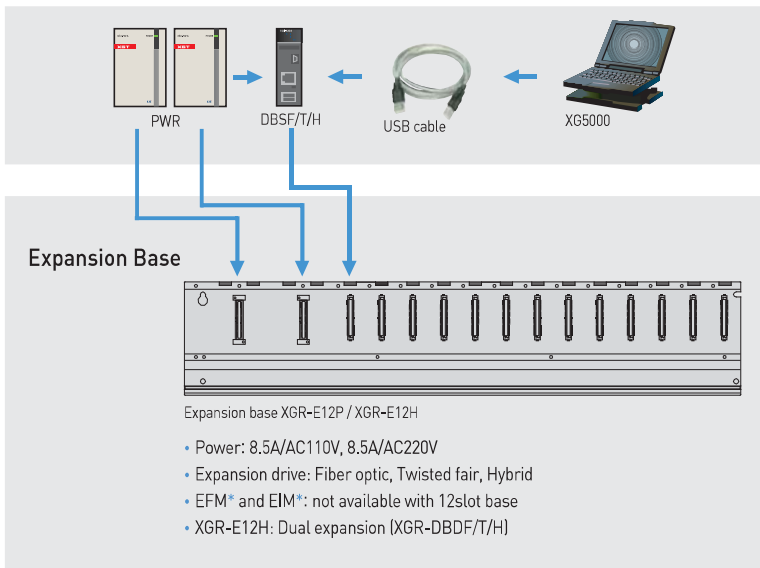
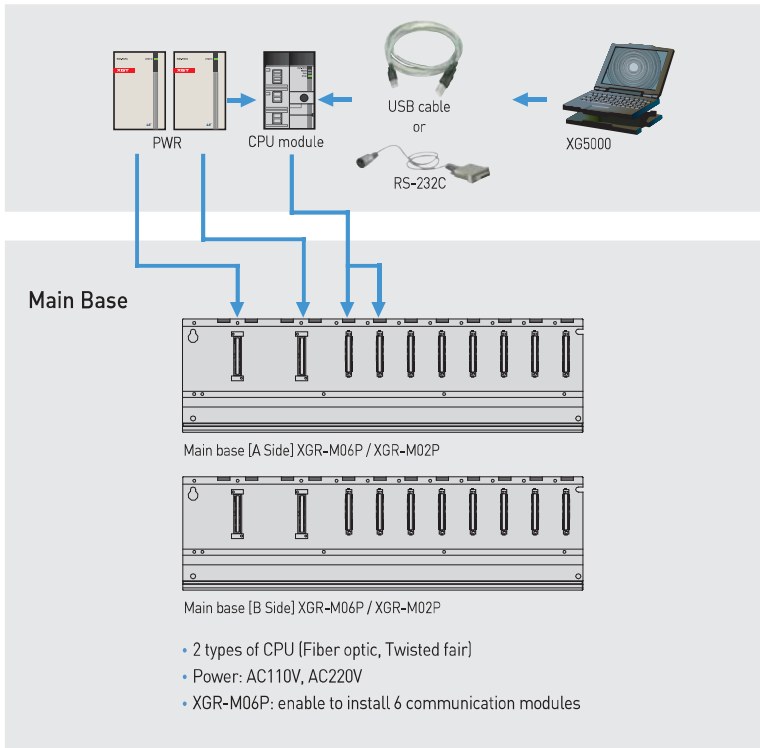


Product List



CPU Module	
Type	I/O point
XGR-CPUH/T [Twisted fair]	2port 23,808 Points
XGR-CPUH/F [Fiber optic]	

Type	I/O point
USB-301A	USB downloading cable
K1C-050A	RS232C downloading cable
XGC-F201	CPU synchronization cable: 2m
XGC-F501	CPU synchronization cable: 5m

Power	
XGR-AC12	AC110V 5.5A [Main / Expansion base]
XGR-AC13	AC110V 8.5A [Expansion base]
XGR-AC22	AC220V 5.5A [Main / Expansion base]
XGR-AC23	AC220V 8.5A [Expansion base]
XGR-DC42	DC24V / 5V 7A [Main / Expansion base]

CPU Module		I/O point
XGK	XGK-CPUH, CPUU, CPUHN, CPUUN	6,144
	XGK-CPUS, CPUA, CPUSN	3,072
	XGK-CPUE	1,536
XGI	XGI-CPUUN, CPUU/D, CPUU, CPUH	6,144
	XGI-CPUS	3,072
	XGI-CPUE	1,536

Item	Type	Description
USB cable	USB-301A	USB downloading cable
RS-232C cable	K1C-050A	RS-232C downloading cable

Power Module			
AC	Free Voltage	XGP-ACF1	DC5V 3A DC24V 0.6A
		XGP-ACF2	DC5V 6A
DC	220V	XGP-AC23	DC5V 8.5A
		XGP-DC42	DC5V 6A

Item	Input Module		
	AC110V	AC220V	DC24V
8 points	-	XGI-A21A, XGI-A21C	XGI-D21A
16 points	XGI-A12A	-	XGI-D22A
	-	-	XGI-D22B
32 points	-	-	XGI-D24A
	-	-	XGI-D24B
64 points	-	-	XGI-D28A
	-	-	XGI-D28B

Item	Output Module		
	Relay	Triac	Transistor
8 points	XGQ-RY1A	-	-
16 points	XGQ-RY2A	XGQ-SS2A	XGQ-TR2A
	XGQ-RY2B	-	XGQ-TR2B
32 points	-	-	XGQ-TR4A
	-	-	XGQ-TR4B
64 points	-	-	XGQ-TR8A
	-	-	XGQ-TR8B

Item	Input/Output Mixed Module	
	16-point DC input	16-point TR output

Special Module		
Analog Input	XGF-AV8A	Voltage input type, 8Ch
	XGF-AC8A	Current input type, 8Ch
	XGF-AD8A	Voltage/ Current input, 8Ch
	XGF-AD4S	Voltage/ Current input, 4Ch [Isolated]
Analog Output	XGF-AD16A	Voltage/ Current input, 16Ch
	XGF-AW4S	2-wire, Voltage/ Current input, 4Ch [Isolated]
	XGF-DV4A	Voltage output type, 4Ch
	XGF-DC4A	Current output type, 4Ch
	XGF-DV8A	Voltage output type, 8Ch
	XGF-DC8A	Current output type, 8Ch
	XGF-DV4S	Voltage output, 4Ch [Isolated]
	XGF-DC4S	Current output, 4Ch [Isolated]
Analog Input/Output	XGF-AH6A	Input: 4ch, Voltage/ Current Output: 2Ch Voltage/ Current
High-speed Counter	XGF-HO2A	Pulse [OC] input type, 2Ch
	XGF-HD2A	Pulse [LD] input type, 2Ch
Positioning	XGF-P01A-P03A	Open collector, 1-3axes
	XGF-P01A-P03A	Line drive, 1-3axes
	XGF-P01H-P04H	Open collector, 1-4axes
Positioning (Network Type)	XGF-PN8A	Line drive, 1-4axes
	XGF-PN8B	LS Standard EtherCAT Net, 8axes
	XGF-PN4B	Standard EtherCAT Network, 4axis
Motion Module	XGF-M32E	Standard EtherCAT Net, 32axes
Temperature Control	XGF-TC4S	Thermocouple input, 4Ch
	XGF-RD4A	RTD input, 4Ch
	XGF-RD4S	RTD input, 4Ch [Isolated]
Temperature Controller	XGF-TC4UD	Input: 4ch, [Voltage/Current, RTD/TC] Output: 8ch, [TR/Current] Controller: 4 loops
		XGF-TC4RT
Event input	XGF-S0EA	DC24V, 32points

Communication Module		
RAPIenet	XGL-EIMT	RAPIenet Twisted fair 2Ch
	XGL-EIMH	RAPIenet Fiber optic/Twisted fair 1Ch
	XGL-EIMF	RAPIenet Fiber optic 2Ch
	XGL-E54T	RAPIenet Switch, 4Ports
	XGL-EIMT	RAPIenet Twisted fair 2Ch For PC
Cnet	XGL-EIMF	RAPIenet Fiber optic 2Ch For PC
	XGL-CH2B	RS-232C/RS-422
	XGL-C22B	RS-232C, 2Ch
Ethernet (Open)	XGL-C42B	RS-422, 2Ch
	XGL-EFMFB	Fiber optic, Master, SC type
	XGL-EFMTB	Twisted pair, Master, RJ-45
Ethernet (Dedicated)	XGL-EH5T	Fast Ethernet, Switching hub
	XGL-EDMF	Fiber optic, Master, SC type
	XGL-EDMT	Twisted pair, Master, RJ-45
EtherNet/IP	XGL-EIPT	Industrial Ethernet, 2ports
Rnet	XGL-RMEB	Rnet, Master, TP
DeviceNet	XGL-DMEB	DeviceNet, Master
	XGL-PMFB	Profibus-DP, Master
Profibus-DP	XGL-PSRA	Profibus-DP Slave, Remote interface
	XGL-PSEA	Profibus-DP Slave
Fnet	XGL-FMEA	Dedicated network



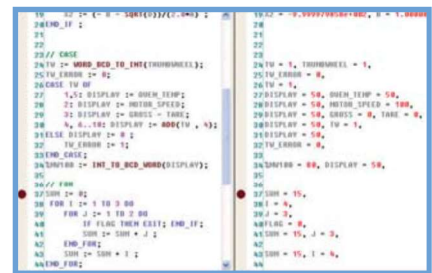
XGK Series

- Fastest CPU processing of 8.5ns/step
- Up to 6,144 I/O points configurable (32,768 points controllable with remote I/O)
- Integrated intelligent software package: XG5000, XG-PD, XG-PM
- System solution based on open network: Ethernet, Profibus-DP, DeviceNet
- Special devices for easy programming
- Massive device memory
- USB I/F for programming up/download & monitoring

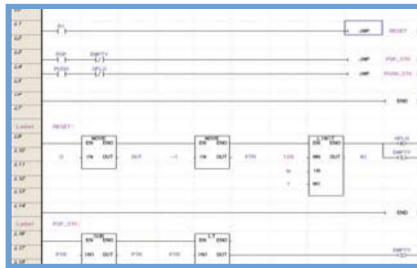
XGI Series

- Fastest CPU processing of 8.5ns/step
- Up to 6,144 I/O points configurable (131,072 points controllable with remote I/O)
- IEC 61131-3 Standard programming
 - LD (Ladder Diagram), SFC (Sequential Function Chart), ST (Structured Text)
 - User defined FB (Function Block)
- Built-in PID function (Max. 256 loop)
- USB I/F for programming up/download & monitoring

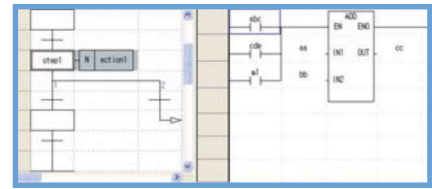
ST



LD



SFC



XGK/XGI-CPUUN, XGK-CPUHN, CPUSN

XGK-CPUUN (XGI-CPUUN)

- Built-in Ethernet port
- 256K (2MB) program memory
- 8.5ns processing speed
- 6,144 I/O points control

XGK-CPUHN

- Built-in Ethernet port
- 128K (1MB) program memory
- 8.5ns processing speed
- 6,144 I/O points control

XGK-CPUSN

- Built-in Ethernet port
- 64K (512KB) program memory
- 8.5ns processing speed
- 3,072 I/O points control

XGI:CPUU/D, CPUU, CPUH, CPUS, CPUS/P, CPUE

XGK-CPUU (XGI-CPUU)

- 128K (1MB) program memory
- 28ns processing speed
- 6,144 I/O points control

XGK-CPUH (XGI-CPUH)

- 64K (512KB) program memory
- 28ns processing speed
- 6,144 I/O points control

XGK-CPUA

- 32K program memory
- 28ns processing speed
- 3,072 I/O points control

XGK-CPUS (XGI-CPUS)

- 32K (128KB) program memory
- 84ns processing speed
- 3,072 I/O points control

XGK-CPUE (XGI-CPUE)

- 16K (64KB) program memory
- 84ns processing speed
- 1,536 I/O points control

Expansion modules

Power Modules

With AC Free voltage, 220V and DC 24 V power supply

Base Modules

With 4/6/8/12 main and expansion base

Digital Input/Output Modules

From 8 to 64 of transistor, relay and triac switches

Analog Input/Output Modules

With 4 or 8 ch current/voltage signals

Temperature Input Modules

With 4 ch Pt100/JPt100 resistance thermometer and thermocouple

High Speed Counter Module

For connection with incremental encoder (2 channels of Open collector or Line driver type)

Positioning Module

1~4 axes positioning for servo, step drive and motor

Network Modules

Fast Ethernet Modules

Ethernet network with TCP/IP protocol

Profibus-DP Modules

Profibus-DP fieldbus protocol for connection between LS PLC and different manufacturers

DeviceNet Modules

DeviceNet fieldbus protocol for connection between LS PLC and different manufacturers

Rnet Modules

Dedicated network for remote I/O control (LS Smart I/O)

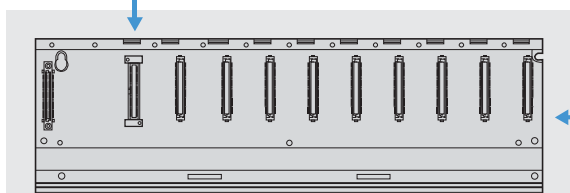
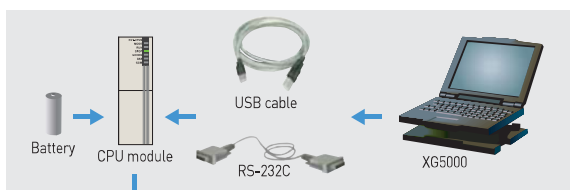
Cnet Modules

Serial communication module with RS-232C/422/485

RAPiEnet Module

Dedicated network based on Ethernet

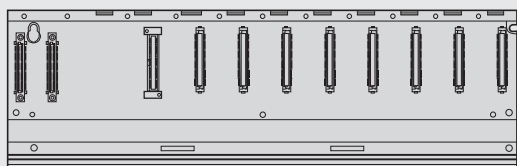
Product List



Main Base (XGB-M □ □ A)



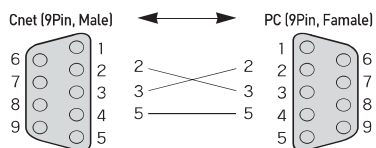
Item	Type	Description
Expansion cable	XGC-E041	Expansion cable 0.4m
	XGC-E061	Expansion cable 0.6m
	XGC-E121	Expansion cable 1.2m
	XGC-E301	Expansion cable 3.0m
	XGC-E501	Expansion cable 5.0m
	XGC-E102	Expansion cable 10m
	XGC-E152	Expansion cable 15m
Expansion terminator	XGT-TERA	Expansion terminator



Expansion base (XGB-E □ □ A)

Item	Main base	Expansion base
4 slot	XGB-M04A	XGB-E04A
6 slot	XGB-M06A	XGB-E06A
8 slot	XGB-M08A	XGB-E08A
12 slot	XGB-M12A	XGB-E12A

XG5000 Cable (RS-232C)



	CPU Module	I/O point
XGK	XGK-CPUH, CPUU, CPUHN, CPUUN	6,144
	XGK-CPUS, CPUA, CPUSN	3,072
	XGK-CPUE	1,536
XGI	XGI-CPUUN, CPUU/D, CPUU, CPUH	6,144
	XGI-CPUS	3,072
	XGI-CPUE	1,536

CPU Connecting Cable	
USB 301A	USB downloading cable
K1C-050A	RS-232C downloading cable

Item	Type	Description
USB cable	USB-301A	USB downloading cable
RS-232C cable	K1C-050A	RS-232C downloading cable

Item	Input Module		
	AC110V	AC220V	DC24V
8 points	-	XGI-A21A, XGI-A21C	XGI-D21A
	XGI-A12A	-	XGI-D22A
16 points	-	-	XGI-D22B
	-	-	XGI-D24A
32 points	-	-	XGI-D24B
	-	-	XGI-D28A
64 points	-	-	XGI-D28B



Power Module (XGP-□□□□)



Input Module (XGI-□□□□)



Output Module (XGQ-□□□□)



Special Module (XGF-□□□□)



Communication Module (XGL-□□□□)

Power Module			
AC	Free Voltage	XGP-ACF1	DC5V 3A DC24V 0.6A
		XGP-ACF2	DC5V 6A
	220V	XGP-AC23	DC5V 8.5A
DC		XGP-DC42	DC5V 6A

Item	Output Module		
	Relay	Triac	Transistor
8 points	XGQ-RY1A	-	-
16 points	XGQ-RY2A	XGQ-SS2A	XGQ-TR2A
	XGQ-RY2B	-	XGQ-TR2B
32 points	-	-	XGQ-TR4A
	-	-	XGQ-TR4B
64 points	-	-	XGQ-TR8A
	-	-	XGQ-TR8B

Item	Input/Output Mixed Module	
	16-point DC input	16-point TR output

Special Module		
Analog Input	XGF-AV8A	Voltage input type, 8Ch
	XGF-AC8A	Current input type, 8Ch
	XGF-AD8A	Voltage/ Current input, 8Ch
	XGF-AD4S	Voltage/ Current input, 4Ch (Isolated)
	XGF-AD16A	Voltage/ Current input, 16Ch
	XGF-AW4S	2-wire, Voltage/ Current input, 4Ch (Isolated)
Analog Output	XGF-DV4A	Voltage output type, 4Ch
	XGF-DC4A	Current output type, 4Ch
	XGF-DV8A	Voltage output type, 8Ch
	XGF-DC8A	Current output type, 8Ch
	XGF-DV4S	Voltage output, 4Ch (Isolated)
	XGF-DC4S	Current output, 4Ch (Isolated)
Analog Input/Output	XGF-AH6A	Input: 4ch, Voltage/ Current Output: 2Ch Voltage/ Current
High-speed Counter	XGF-HO2A	Pulse [OC] input type, 2Ch
	XGF-HD2A	Pulse [LD] input type, 2Ch
Positioning	XGF-P01A-P03A	Open collector, 1-3axes
	XGF-PD1A-PD3A	Line drive, 1-3axes
	XGF-P01H-P04H	Open collector, 1-4axes
	XGF-PD1H-PD4H	Line drive, 1-4axes
Positioning (Network Type)	XGF-PN8A	LS Standard EtherCAT Net, 8axes
	XGF-PN8B	Standard EtherCAT Net, 8axes
	XGF-PN4B	Standard EtherCAT Network, 4axis
Motion Modnle	XGF-M32E	Standard EtherCAT Net, 32axes
Temperature Control	XGF-TC4S	Thermocouple input, 4Ch
	XGF-RD4A	RTD input, 4Ch
	XGF-RD4S	RTD input, 4Ch (Isolated)
Temperature Controller	XGF-TC4UD	Input: 4ch, (Voltage/Current, RTD/TC) Output: 8ch, (TR/Current)
		Controller: 4 loops
	XGF-TC4RT	Input: 4ch, (RTD) Output: 4ch, (TR) Controller: 4 loops
Event Input	XGF-S0EA	DC24V, 32points

Communication Module		
RAPIEnet	XGL-EIMT	RAPIEnet Twisted fair 2Ch
	XGL-EIMH	RAPIEnet Fiber optic/Twisted fair 1Ch
	XGL-EIMF	RAPIEnet Fiber optic 2Ch
	XGL-ES4T	RAPIEnet Switch, 4Ports
	XGL-EIMT	RAPIEnet Twisted fair 2Ch For PC
	XGL-EIMF	RAPIEnet Fiber optic 2Ch For PC
Cnet	XGL-CH2B	RS-232C/RS-422
	XGL-C22B	RS-232C, 2Ch
	XGL-C42B	RS-422, 2Ch
Ethernet (Open)	XGL-EFMFB	Fiber optic, Master, SC type
	XGL-EFMTB	Twisted pair, Master, RJ-45
	XGL-EH5T	Fast Ethernet, Switching hub
Ethernet (Dedicated)	XGL-EDMF	Fiber optic, Master, SC type
Rnet	XGL-EIPT	Industrial Ethernet, 2ports
EtherNet/IP	XGL-RMEB	Rnet, Master, TP
DeviceNet	XGL-DMEB	DeviceNet, Master
Profibus-DP	XGL-PMEB	Profibus-DP, Master
	XGL-PSRA	Profibus-DP, Slave, Remote Inter face
	XGL-PSEA	Profibus-DP, Slave
Fnet	XGL-FMEA	Dedicated network