

Programmable Logic Controller

# XGB Economic/Standard Unit

## All-In-One PLC With Next Generation Technology

XGB is the micro PLC that offers maximum automation at minimum cost.  
With its high performance and functionality, it can support from simple control to complex task.  
Strengthening its communication functions, XGB offers user-oriented integrated control.  
Based on its strengths, it can be used in many fields of applications.



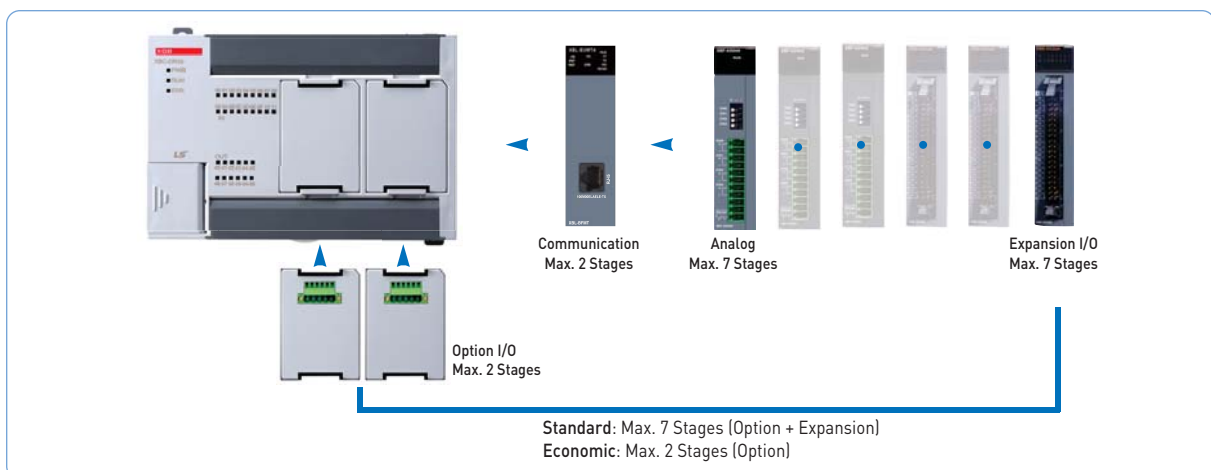
### Economic

- 240ns/step processing speed and floating point arithmetic with on board CPU
- Max. 2 Option modules, Max. 38 I/O point control
- Max. 2 CHs Communication with built-in functions



### Standard

- 94ns/step processing speed and floating point arithmetic with board CPU
- Max. 7 Expansion modules, Max. 2 Option modules, Max. 256 I/O point control
- Max. 5 CHs Communication with built-in functions and expansion modules



## Specification

- Control method: Repetitive, Cyclic, Interrupt, Constant Scan
- I/O control mode: Refresh mode[Batch processing by scan synchronization], Direct mode by instruction
- Programming language: Ladder diagram, Instruction list
- Number of program: 128
- Program port: RS-232C
- RTC, Battery: Option
- Self diagnosis: Operation delay monitoring, Memory error, I/O error, etc
- Data retention at power failure: Latch range setting at basic parameter ttc
- Rated voltage: AC100~240V

## Economic

Item	XBC-DR10E	XBC-DR14E	XBC-DR20E	XBC-DR30E
Input/Output type	DC24V input, Relay output			
Processing speed	240ns/step			
Program capacity	4Kstep			
Max. I/O points	14	18	28	38
Main unit I/O points	10 (Input:6, Output:4)	14 (Input:8, Output:6)	20 (Input:12, Output:8)	30 (Input:18, Output:12)
Expansion I/O	No available			
Option I/O	1	1	2	2
Operation mode	RUN, STOP			
Built-in function	RS-232C/485(1CH), Pulse catch, Input filter, External interrupt			
Internal current consumption	250mA	315mA	355mA	485mA
Weight	330g	340g	450g	465g

## Standard

Item	XBC-DR20S	XBC-DR30S	XBC-DR40S	XBC-DR60S
	XBC-DN20S	XBC-DN30S	XBC-DN40S	XBC-DN60S
Input/Output type	XBC-DRxxS: DC24V input, Relay output XBC-DNxxS: DC24V input, Transistor(Sink) output			
Processing speed	94ns/step			
Program capacity	15Kstep			
Max. I/O points	244	254	264	284
Main unit I/O points	20 (Input:12, Output:8)	30 (Input:18, Output:12)	40 (Input:24, Output:16)	60 (Input:36, Output:24)
Expansion I/O	7			
Option I/O	2			
Operation mode	RUN, STOP, DEBUG			
Built-in function	RS-232C/485(2CHs), PID control, Pulse catch, Input filter, External interrupt, High speed counter, Positioning**			
Internal current consumption	- 240mA	- 255mA	-	-
Weight	- 470g	- 475g	-	-

## Option I/O

XBO-M1KB	Memory	XBO-AD02A	Voltage/Current, Input 2 CHs
XBO-RTCA	RTC(Real Time Clock), Battery	XBO-DA02A	Voltage/Current, Output 2 CHs
XBO-DC04A	DC 24V, Input 4 points	XBO-AH02A	Voltage/Current, Input 1 CH
XBO-TN04A	Transistor(Sink), Output 4 points		Voltage/Current, Output 1 CH

\* Some products are due in market soon.

\*\* XBO-DC04A and XBO-TN04A are required to use High speed counter and Positioning functions in standard type.

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Safety Instructions

- For your safety, please read user's manual thoroughly before operating.
- Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact qualified service technician when you need maintenance. Do not disassemble or repair by yourself!
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.

**LS** Industrial Systems  
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