

# B1/B1z/HB1 Model List

Module Name		Specification
B1z Main Units	B1z-10M◇25-D24☆	6 point 24VDC digital input(4 points 50KHz, 2 points total 5KHz), 4 point relay output or transistor output(2 points 50KHz), build-in RS232+RS485 communication ports(RS485 no termination switch), both sides are not expandable
	B1z-14M◇25-D24☆	8 point 24VDC digital input(4 points 50KHz, 4 points total 5KHz), 6 point relay output or transistor output(2points 50KHz), build-in RS232+RS485 communication ports(RS485 no termination switch), both sides are not expandable
	B1z-20M◇25-D24☆	12 point 24VDC digital input(6 points 50KHz, 6 points total 5KHz), 8 point relay output or transistor output(4points 50KHz), build-in RS232+RS485 communication ports(RS485 no termination switch), both sides are not expandable
	B1z-24M◇25-D24☆	14 point 24VDC digital input(8 points 50KHz, 6 points total 5KHz), 10 point relay output or transistor output(4points 50KHz), build-in RS232+RS485 communication ports(RS485 no termination switch), both sides are not expandable
	B1z-32M◇25-D24☆	20 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 12 point relay output or transistor output(6 points 50KHz), build-in RS232+RS485 communication ports(RS485 no termination switch), both sides are not expandable
	B1z-40M◇25-D24☆	24 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 16 point relay output or transistor output(6 points 50KHz), build-in RS232+RS485 communication ports(RS485 no termination switch), both sides are not expandable
	B1z-60M◇25-D24☆	28 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 20 point relay output or transistor output(8 points 50KHz), build-in RS232+RS485 communication ports(RS485 no termination switch), both sides are not expandable
B1 Main Units	B1-10M◇2-D24☆	6 point 24VDC digital input(4 points 50KHz, 2 points total 5KHz), 4 point relay output or transistor output(2 points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
	B1-14M◇2-D24☆	8 point 24VDC digital input(4 points 50KHz, 4 points total 5KHz), 6 point relay output or transistor output(2points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
	B1-20M◇2-D24☆	12 point 24VDC digital input(6 points 50KHz, 6 points total 5KHz), 8 point relay output or transistor output(4points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
	B1-24M◇2-D24☆	14 point 24VDC digital input(8 points 50KHz, 6 points total 5KHz), 10 point relay output or transistor output(4points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
	B1-32M◇2-D24☆	20 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 12 point relay output or transistor output(6 points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
	B1-40M◇2-D24☆	24 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 16 point relay output or transistor output(6 points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
	B1-60M◇2-D24☆	28 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 20 point relay output or transistor output(8 points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
4 Axis NC Positioning Main Units	B1-24M4(T/J)2-D24☆	14 point 24VDC digital input(8 points 50KHz, 6 points total 5KHz), 10 point relay output or transistor output(4points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
	B1-40M4(T/J)2-D24☆	24 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 16 point relay output or transistor output(6 points 50KHz), build-in RS232 communication ports(RS485 no termination switch)
HB1 Main Unit	HB1-10MB◇25-D24SA	6 point 24VDC digital input(4 points 50KHz, 2 points total 5KHz), 4 point relay output or transistor output(2 points 50KHz), build-in HMI port(back)+RS232+RS485 communication ports, left side is expandable 1-2 modules, right side is expandable up to 128 I/O points, built-in RTC and with detachable terminal block
	HB1-14MB◇25-D24SA	8 point 24VDC digital input(4 points 50KHz, 4 points total 5KHz), 6 point relay output or transistor output(2 points 50KHz), build-in HMI port(back)+RS232+RS485 communication ports, left side is expandable 1-2 modules, right side is expandable up to 128 I/O points, built-in RTC and with detachable terminal block
	HB1-20MB◇25-D24SA	12 point 24VDC digital input(6 points 50KHz, 6 points total 5KHz), 8 point relay output or transistor output(4points 50KHz), build-in HMI port(back)+RS232+RS485 communication ports, left side is expandable 1-2 modules, right side is expandable up to 128 I/O points, built-in RTC and with detachable terminal block
	HB1-24MB◇25-D24SA	14 point 24VDC digital input(8 points 50KHz, 6 points total 5KHz), 10 point relay output or transistor output(4points 50KHz), build-in HMI port(back)+RS232+RS485 communication ports, left side is expandable 1-2 modules, right side is expandable up to 128 I/O points, built-in RTC and with detachable terminal block
	HB1-32MB◇25-D24SA	20 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 12 point relay output or transistor output(6 points 50KHz), build-in HMI port(back)+RS232+RS485 communication ports, left side is expandable 1-2 modules, right side is expandable up to 128 I/O points, built-in RTC and with detachable terminal block
	HB1-40MB◇25-D24SA	24 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 16 point relay output or transistor output(6 points 50KHz), build-in HMI port(back)+RS232+RS485 communication ports, left side is expandable 1-2 modules, right side is expandable up to 128 I/O points, built-in RTC and with detachable terminal block
	HB1-60MB◇25-D24SA	36 point 24VDC digital input(8 points 50KHz, 8 points total 5KHz), 24 point relay output or transistor output(8 points 50KHz), build-in HMI port(back)+RS232+RS485 communication ports, left side is expandable 1-2 modules, right side is expandable up to 128 I/O points, built-in RTC and with detachable terminal block
Right sides Expansion	B1-4Y◇☆	4 points relay or transistor output
	B1-8X☆	8 points 24VDC digital input
	B1-8Y◇☆	8 points relay or transistor output
	B1-8XY◇☆	4 points 24VDC digital input, 4 points relay or transistor output
DIO Expansion Modules	B1-16X☆	16 points 24VDC digital input
	B1-16Y◇☆	16 points relay or transistor output
	B1-16XY◇☆	8 points 24VDC digital input, 8 points relay or transistor output
	FBs-24XY◇☆	14 points 24VDC digital input, 10 points relay or transistor output
	FBs-40XY◇☆	24 points 24VDC digital input, 16 points relay or transistor output
	FBs-60XY◇☆	36 points 24VDD digital input, 24 points relay or transistor output
AIO Modules	B1-2DA☆	2 channels, 12-bit analog output module
	B1-6AD☆	6 channels, 12-bit analog input module
Temperature measurement modules	B1-2TC	2 channels, thermocouple temperature input module
	B1-6TC	6 channels, thermocouple temperature input module
	B1-6RTD	6 channels, RTD temperature input module

\*\*\*\* Must back mount on HMI P2A/P5A for use.

Module Name		Specification
Left sides Expansion	B1-L2DA☆	2 channels, 12-bit analog output module (0~10V or 0~20mA)
	B1-L4AD☆	4 channels, 12-bit analog input module (0~10V or 0~20mA)
AIO Module	B1-L2A2D☆	2 channels, 12-bit analog input + 2 channels analog output combo module (0~10V or 0~20mA)
	B1-L4NTC☆	4 channels, NTC temperature input module, 12-bit resolution, measuring range 100Ω ~100KΩ
Communication Module	B1-CM2☆	1 point RS232 (port2) communication module
	B1-CM5☆	1 point RS485 (port2) communication module
	B1-CM22☆	2 points RS232 communication module
	B1-CM55☆	2 points RS485 communication module
	B1-CM25☆	1 point RS232 (port1) + 1 point RS485 (port2) communication module
	B1-CM25E	1 point RS232 (port1) + 1 point RS485 (port2) + Ethernet network interface communication module
	B1-CM55E	2 point RS485 (port1, port2) + Ethernet network interface communication module

- ◇: R — Relay output; T — Transistor SINK(NPN) output; J — Transistor SOURCE (PNP) output
- △: 2 — built-in RS232 port; U — built-in USB port(non-standard)
- ☆: Blank — Standard case; -S — Slim case
- The unmarked frequencies of Digital Input (DI) or Digital Output (DO) are low speed.