

Economical and High-Quality PLC

FATEK B1/B1z Series Micro-Programmable Controllers



Impressed with the high quality!



Features

Core Technology of Advanced SoC

With advanced software and hardware technique and over 20 years of experience in automation industry, FATEK has integrated the entire PLC system with self-developed CPU, hardware logic solver (HLS), hardware high-speed counter/timer, NC positioning, communication, FLASH, and SRAM, into a tiny BGA chip. This is the first attempt of PLC industry that makes FATEK a leading brand in micro PLC.

Compact and Rugged

As most parts of the system are integrated into a SoC, the processor and I/O section can be manufactured in a single PCB board and thus substantially reduced the dimension. Since a single board does not need any board-to-board connector, the overall structure becomes more stable and reliable.

■ High Quality and High Reliability

As the excellent streamline of hardware design and highly integrated of SoC technology, it minimizes the number of constituent parts of B1/B1z series of PLC. And with the combination of high quality parts and rigorous quality control procedures, FATEK creates a high quality and high reliability PLC for the industry.

Competitive Low Price

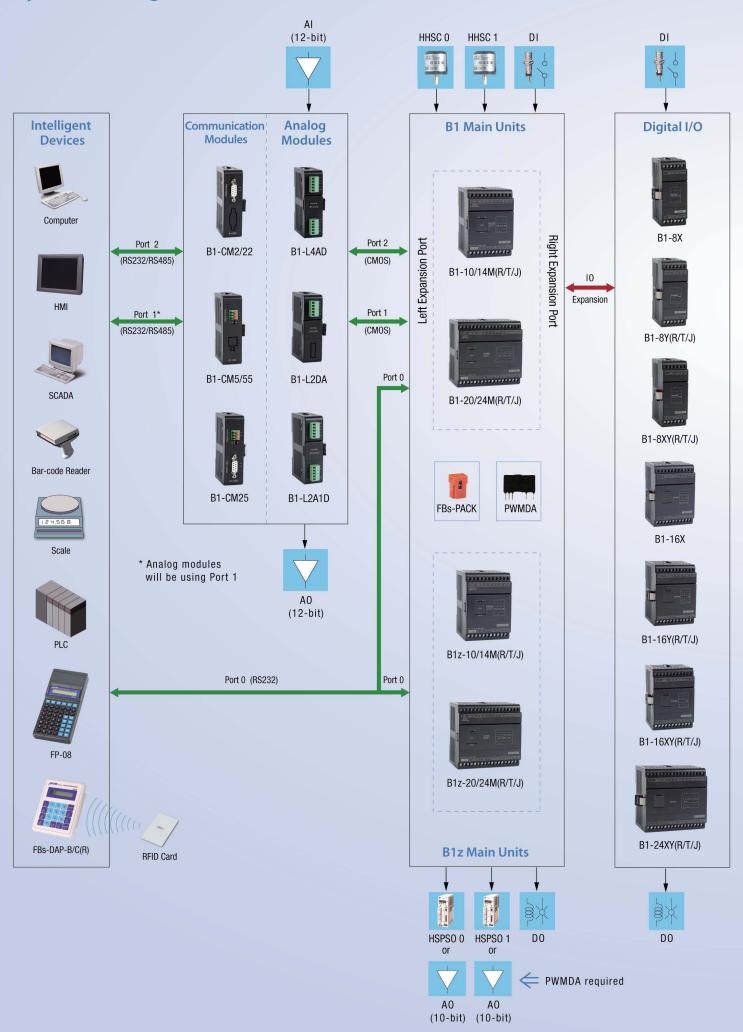
Besides the streamline design of SoC technology that significantly reduces the hardware costs, B1/B1z series PLC incorporates the most sophisticated manufacturing process and most mature and stable quality of two-layer board design. With FATEK's many years of experience in EMC control, the capability of noise resistance of FATEK PLC using two-layer board design is better than four-layer board design of other PLC, thus making B1/B1z PLC a price-competitive must-buy for smart dealers.

Easy to use, consistent instruction

The instruction sets of B1/B1z series PLC is based on the FBs series PLC, which is the best-selling series of FATEK. Considering compatibility and simplicity, the instructions for B1/B1z series PLC are thoughtfully selected from the most useful and frequently used instructions of FBs series PLC.



System Configuration





General Specifications

Environmental specifications

| | Item | | Specification | Note |
|------------------------|---|---------|---|------------------------|
| | Enclosure | Minimum | 5℃ | |
| Operating | space | Maximum | 40°C | |
| ambient temperature | | Minimum | 5℃ | Permanent installation |
| | Open space | Maximum | 55°C | |
| Storage tempe | rature | | -25°C ~ +70°C | |
| | Relative humidity (non-condensing, RH-2) | | 5% ~ 95% | |
| Pollution resist | tance | | Degree II | |
| Corrosion resis | tance | | Base on IEC-68 standard | |
| Altitude | | | ≤2000m | |
| Vibration | Fixed by DIN RAIL | | 0.5G, 2 hours for each direction of 3 axes | |
| resistance | Fasten by screw | | 2G, 2 hours for each direction of 3 axes | |
| Shock resistan | Shock resistance | | 10G, three times for each direction of 3 axes | |
| Noise resistanc | ce | | 1500 Vp-p, pulse width 1µS | |
| Withstand voltage | | | 1500VAC, 1 minute | L, N to any terminal |

AC power supply

| Specification Item | | 10 points main unit | 14 points main unit | 20 points main unit | 24 points main unit | | |
|--|-----------------|---------------------|---------------------|---------------------|---------------------|--|--|
| Input nower | Voltage | 85VAC~264VAC | | | | | |
| Input power | Frequency | 50/60Hz ±5% | | | | | |
| Max. power consumption (built-in power supply) | | 21W | | | | | |
| Inrush current | | 20A@264VAC | | | | | |
| Allowable power momenta time | ry interruption | < 20mS | | | | | |
| Fuse rating | | 2A, 250VAC | | | | | |

DC power supply

| Specification Item | 10 points main unit | 14 points main unit | 20 points main unit | 24 points main unit | | |
|---|---------------------|---------------------|---------------------|---------------------|--|--|
| Input voltage | 20.4VDC~28.8VDC | | | | | |
| Max. power consumption | 2.5W | 3.0W | 3.5W | 4.0W | | |
| Inrush current | | 20A@DC2 | 24V | | | |
| Allowable power momentary interruption time | < 2mS | | | | | |
| Fuse rating | | 1A, 125 | V | | | |

Functional Specifications

Main unit specifications

| Specificatio | n | Model | B1 | B1z | |
|--------------|----------------------|---------------------------------------|---|---|--|
| | Exec | ution speed | 0.33uS/Conta | ct instruction | |
| | | Program capacity (Step) | 7936 | 3840 | |
| Memory | capacity | Element comment capacity (Byte) | 8K | 4K | |
| | | Input contact X (Point) | X+Y=64 *1 | 6/8/12/14 | |
| Maximo | 1/O points | Output contact Y (Point) *4 | A+1=04 · | 4/6/8/10 | |
| Maximum | I/O points | Analog input (Point) | D4072~D4075 (4) *2 | _ | |
| | | Analog output (Point) | D4076~D4077 (2) * ² | _ | |
| | | Non-retentive (Point) | M0~M799 (800) M1400~M1911 (512) | M0~M511 (512) | |
| Internal | relay (M) | Retentive (Point) | M800~M1399 (600) | M512~M767 (256) | |
| | | Special relay (Point) | M1912~M2001 (90) | M1912~M2001 (90) | |
| | | Initial step (Point) | S0~S7 (8) | S0~S7 (8) | |
| Step r | elay (S) | Non-retentive (Point) | S20~S499 (480) | S20~S143 (124) | |
| | | Retentive (Point) | S500~S999 (500) | S144~S271 (128) | |
| | | 15 | T200~T219 (20) | T200~T219 (20) | |
| | | 100mS | T50~T199 (150) | T50~T113 (64) | |
| Tir | mer | 10mS | T0~T49 (50) | T0~T49 (50) | |
| | | 1mS | R4151 (1) | R4151 (1) | |
| | | Accumulative | FUN87~ FUN89 | FUN87~ FUN89 | |
| | 16-bit | Retentive | C0~C47 (48) | C0~C31 (32) | |
| | up Counter | Non-retentive | C48~C95 (48) | C32~C63 (32) | |
| | 32-bit up Counter | Retentive | C200~C215 (16) | C200~C207 (8) | |
| Counter | | Non-retentive | C216~C231 (16) | C208~C215 (8) | |
| | Up/Down | Retentive / Non-retentive (16-bit) | FUN7 | FUN7 | |
| | Counter | Retentive / Non-retentive (32-bit) | FUN7D | FUN7D | |
| High-spee | ed counter | 1-phase 1 input (P or U or D) | HSC0 & HSC1 (2 points, 10K Hz | each) + HSC4~7 (total < 5K Hz) | |
| 1 or 2 l | HHSC*5 | 1-phase 2 input (U/D or P/R) | HSC0 (1 point, 10K Hz) - | + HSC4~7 (total < 5K Hz) | |
| +45 | HSC*6 | 2-phase 2 input (A/B) | HSC0 (1 point, 5K Hz) + | HSC4~7 (total < 5K Hz) | |
| | | Retentive | R0~R2999 (3000) D0~D4095 (4096) | R0~R127 (128) | |
| | | Non-retentive | R3000~R3839 (840) | R128~R511 (384) | |
| Reg | ister | Special use | R3840~R4167 (328) R3968~R4167 (Retentive) | R3840~R4167 (328) R4030~R4057 (Retentive) R4088~R4166 (Retentive) | |
| | | Index register (Retentive) | V · Z (2), P0∼P9 (10) | V · Z (2) | |
| | | Read only register | R5000~R8071 (3072) | R5000~R5255 (256) | |
| | Interrupt | | X0~X3 (| 4 points) | |
| High | Speed Pulse C | Output (HSPSO0, HSPSO1) | Y0~Y3 (4 points, 10K Hz each), after | Y4 is low speed (limited in software) | |
| Seria | al Communica | tion Port (Port 0 ~ Port 2) | Built-in Port 0, left side is expandable port 1 and port 2 *2 Built-in Port 0 (RS232) + Port 2 (RS485) *3 | Built-in Port 0, is not expandable | |
| | Program and | data backup battery | Yes | No (program and data backup are within system FLASH) | |

 $^{{}^{*}1 \}text{ . Input (X)} + \text{Output (Y) total maximum point is 64 (including the points on main unit)}$

^{*2 .} Analog expansion module will occupy Port 1. When using analog expansion module, communication can only expand Port 2 one port.

^{*3 . (} \triangle : 25 module, please refer to page 10), left side is not expandable.

^{*4}. B1/B1z series does not support run time editing function and also not support Y0~Y255 of Latch Coil –(L); that is, Latch Coil is non-retention.

^{*5 .} HHSC means Hardware High-Speed Counter

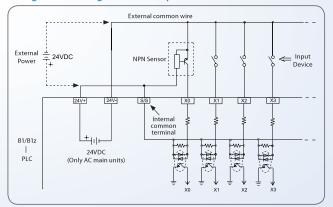
^{*6.} SHSC means Software High-Speed Counter

(Continue)

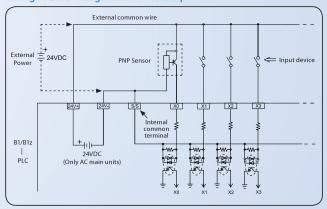
Digital Input (DI) specifications

| | ltem | 24VDC sing | Note | |
|-------------------------|-----------------|--------------------------------------|------------------------------|---|
| Specification | | Medium speed(X0~X3) | Low speed (After X4) | Note |
| Maximum inp | out frequency * | 10KHz | 50Hz | |
| Input signal v | /oltage | 24VD | C ± 10% | *: Limited in hardware |
| Threshold current | ON | > 4mA | > 2.3mA | frequency and half of maximum frequency |
| | OFF | < 1.5mA | < 0.9mA | while A/B phase input |
| Maximum inp | out current | 7mA | 4.2mA | |
| Input indicat | ion | Displayed by LED: Light v | | |
| Isolation method | | Photocou | DHF: Digital Hardware Filter | |
| SINK/SOURCE wiring | | Via variation of internal common ter | AHF: Analog Hardware Filte | |
| Noise filtering methods | | DHF (0mS ~ 15mS) + AHF (4.7μS) | AHF (4.7mS) | |

Wiring of 24VDC single-end SINK input



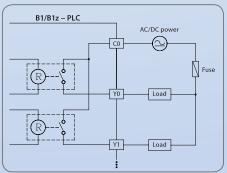
Wiring of 24VDC single-end SOURCE input



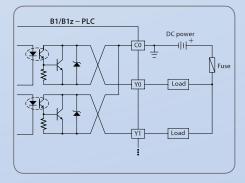
Digital Output (DO) specifications

| Specification | Item | Single-end relay output | Single-end transistor output | Note |
|---------------------------------------|-----------|---|--|--|
| Maximum output fre | quency* | _ | 10KHz | |
| Working voltage | | < 250VAC, 30VDC | 5 ~ 30 VDC | |
| Maximum load | Resistive | 2A/single, 4 A/common | 0.5A | |
| current | Inductive | 80VA | 0.5A | |
| Maximum voltage d (@ maximum load) | lrop | 0.06V (initial) | 2.2V | *: Limited in hardware frequency and half of maximum frequency while A/B phase output |
| Minimum load | | 2mA/DC power | _ | |
| Leakage current | | _ | < 0.1mA / 30VDC | |
| Maximum output | ON→OFF | 10mS | 15μS | |
| delay time | OFF→ON | 101113 | 30μS | |
| Output status indica | ation | Displayed by LED: Light | | |
| Over current protection | | | | N/A |
| Isolation type | | Electromagnetic isolation | Photocouple isolation | |
| SINK/SOURCE outpu | ut type | Bilateral device, can be arbitrarily set to SINK/SOURCE output | Choose SINK/SOURRCE by models and non- exchangeable | |

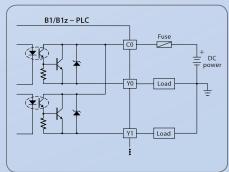
Wiring of relay single-end output



Wiring of transistor single-end SINK output



Wiring of transistor single-end SOURCE output



Model Specifications













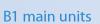




B1z main units

| | | | | | | | District Control | | | 170 | | |
|-----------------------|--------------------------|---------------------------------|------------------------------------|---------------------|---------------------|--------------|------------------|--------------------|---------------------|--------------|--|--|
| Spec. | | Model | B1z-10MR | B1z-10M(T/J) | B1z-14MR | B1z-14M(T/J) | B1z-20MR | B1z-20M(T/J) | B1z-24MR | B1z-24M(T/J) | | |
| Digital | 24VDC | Medium speed 10KHz | | 4 points | | | | | | | | |
| input | | Low speed | 2 pc | pints | 4 p | oints | 8 p | points | 10 points | | | |
| | Relay | AC/DC(2A) | 4 points | _ | 6 points | _ | 8 points | _ | 10 points | _ | | |
| Digital output | Transistor (5~30 VDC) | Medium speed 10KHz (0.5A) | _ | 4 points | _ | 4 points | _ | 4 points | _ | 4 points | | |
| | (5~30 VDC) | Low speed (0.5A) | _ | _ | _ | 2 points | _ | 4 points | _ | 6 points | | |
| Comm. | Buil | t-in | 1 port (Port0, USB or RS232) | | | | | | | | | |
| port | Expan | dable | | | | 1 | J/A | | | | | |
| | Calendar | | | | | | | | | | | |
| Built-in power supply | | | ZPOW14(AC power) or N/A (DC power) | | | | | | | | | |
| | Wiring mecha | nism | 5 mm European fixed terminal block | | | | | | | | | |
| Dimension | | | | Standard (Figure 1) |), Slim (Figure 2)* | | | Standard (Figure 3 |), Slim (Figure 4)* | | | |

^{*} AC power supply of main unit has no slim shell.



















| Spec. | | Model | B1-10MR | B1-10M(T/J) | B1-14MR | B1-14M(T/J) | B1-20MR | B1-20M(T/J) | B1-24MR | B1-24M(T/J) | |
|-------------------|--------------------------|---------------------------------|-------------------------------------|--------------------|---------------------|------------------|--------------------|------------------|----------------------|-------------|--|
| Digital | 24VDC | Medium speed 10KHz | | 4 points | | | | | | | |
| input | | Low speed | 2 po | ints | 4 pc | oints | 8 p | ooints | 10 points | | |
| | Relay | AC/DC(2A) | 4 points | _ | 6 points | _ | 8 points | _ | 10 points | _ | |
| Digital output | Transistor (5~30 VDC) | Medium speed 10KHz (0.5A) | _ | 4 points | _ | 4 points | _ | 4 points | _ | 4 points | |
| | | Low speed (0.5A) | _ | _ | _ | 2 points | _ | 4 points | _ | 6 points | |
| Comm. | Buil | t-in | | | | 1 port (Port | tt0, USB or RS232) | | | | |
| port | Expan | dable | | | | 2 ports (Port1 - | ~ 2, RS485 or RS23 | 2) | | | |
| | Calendar | | | | | Ol | ptional | | | | |
| | Built-in power s | supply | ZPOW14(AC power) or N/A (DC power) | | | | | | | | |
| | Wiring mecha | nism | 5 mm European fixed terminal block | | | | | | | | |
| | Dimensio | า | | Standard (Figure 1 |), Slim (Figure 2)* | | | Standard (Figure | 3), Slim (Figure 4)* | | |

^{*} AC power supply of main unit has no slim shell.

Right Side Digital I/O Expansion Modules















| Spec. | Spec. Model | | B1-8X | B1-8YR | B1-8Y(T/J) | B1-8XYR | B1-8XY(T/J) | B1-16X | B1-16YR | |
|------------------|---------------------------|---------------------|----------|--------------------------------------|------------|----------|-------------|-----------|--------------------------------------|--|
| Digital input | 24VDC | Low speed | 8 points | _ | _ | 4 points | 4 points | 16 points | _ | |
| Digital | Relay | AC/DC(2A) | _ | 8 points | _ | 4 points | _ | _ | 16 points | |
| output | Transistor (5 ~ 30VDC) | Low speed (0.5A) | _ | _ | 8 points | _ | 4 points | _ | _ | |
| W | Wiring mechanism | | | 5 mm European fixed terminal block | | | | | | |
| | Dimension | | | Standard (Figure 5), Slim (Figure 6) | | | | | Standard (Figure 1), Slim (Figure 2) | |

Right Side Digital I/O Expansion Modules











| | | | - Continue of the Continue of | - | - Contraction | | | | |
|------------------|---------------------------|---------------------|---|--------------------------------------|---------------|-----------|--------------------------------------|--|--|
| Spec. | | Model | B1-16Y(T/J) | B1-16XYR | B1-16XY(T/J) | B1-24XYR | B1-24XY(T/J) | | |
| Digital input | 24VDC | Low speed | _ | 8 points | 8 points | 14 points | 14 points | | |
| Digital | Relay | AC/DC(2A) | _ | 8 points | _ | 10 points | _ | | |
| output | Transistor (5 ~ 30VDC) | Low speed (0.5A) | 16 points | _ | 8 points | _ | 10 points | | |
| W | iring mechar | ism | 5 mm European fixed terminal block | | | | | | |
| Dimension | | | | Standard (Figure 1), Slim (Figure 2) | | | Standard (Figure 3), Slim (Figure 4) | | |

(Continue)

Left Side Expansion Modules







| Spec. Model | B1-L2DA | B1-L4AD | B1-L2A1D | | | |
|------------------|--|---|---|--|--|--|
| Features | 2 channels, 12-bit analog output module (0~10V or 0~20mA) | 4 channels, 12-bit analog input module (0~10V or 0~20mA) | 2 channels, 12-bit analog input + 1 channel, 12-bit analog output combo analog module (0~10V or 0~20mA) | | | |
| Wiring mechanism | 3.81 mm European detachable terminal block | | | | | |
| Dimension | Standard (Figure 8) | | | | | |

Left Side Communication Expansion Modules







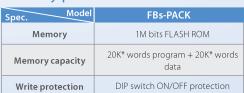




| • | | | | The second secon | | |
|------------------|--|---|--|--|---|--|
| Spec. Model | B1-CM2 | B1-CM22 | B1-CM5 | B1-CM55 | B1-CM25 | |
| Features | 1 RS232 port with TX, RX indicators | 2 RS232 ports with TX, RX indicators | 1 RS485 port with TX, RX indicators | 2 RS485 ports with TX, RX indicators | 1 RS232 port (Port 1) + 1 RS485 port (Port 2) with TX & RX indicators | |
| Wiring mechanism | D-SuB | female | 3.5mm Screwles | D-SuB female 3.5mm Screwless terminal block | | |
| Dimension | Standard (Figure 7) | | | | | |

Memory pack





^{*}Capacity is limited for B1/B1z

PWMDA



| Spec. Model | PWMDA |
|---------------------|----------------|
| Output range | 0~10V |
| Output value | 0~1000 |
| Resolution | 10mV(10V/1000) |
| Output impedance | 1ΚΩ |
| Min. load(≥10V) | 5.2ΚΩ |
| D/A conversion time | <50mS |

Handheld programming panel



| Spec. Model | FP-08 | |
|------------------------------|--|--|
| Max. consumption power | 5V/100mA | |
| Keyboard | 48 silicon rubber keys | |
| Display | Two rows 16-character, dot matrix LCD display, with LED backlight | |
| Communication port | RS232 serial communication port | |

Data Access Panel





FD 040 6/60



| Spec. | Model | FBs-DAP-B/BR | FBs-DAP-C/CR | |
|---|--|--|---------------------------------|--|
| Display | | Two rows 16-character, dot matrix LCD display, with LED backlighting | | |
| Key pads 20 (| | 20 (mer | embrane) | |
| Max. consumption power | | 24V, 48mA | 5V, 120mA | |
| Communication Interface | Electric | RS485 | RS232 | |
| | Mechanism | 5-pin European detachable terminal block | D-sub 9 pins male connector | |
| | Number of linked station | Max. 16 stations | 1 | |
| General f | General features Timer, counter, register, relay, access of contact in Pl | | ay, access of contact in PLC | |
| Special fe | ecial features Alarm, information display, user definable special quick ke | | er definable special quick keys | |
| Card access feature Available only in -BR/-CR models, with maximum $6 \sim 12 \text{ cm}$ | | | | |

RFID card

| Spec. Model | CARD-H | |
|---------------------|--|--|
| Operated frequency | 13.56MHz | |
| Memory | 64-bit with Cyclic Redundancy Check (CRC) on data | |
| Working temperature | -25°C ~ 50°C (ISO7810) | |
| Power source | e Powered by RF | |
| Receivable distance | 6~12cm | |
| Writable times | at least 10000 times | |
| Dimension(mm) | 86 X 54 X 0.76 | |
| Weight | 5g | |

Dimensions

Figure 1 Standard

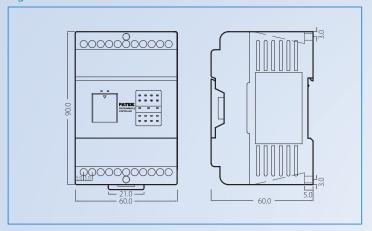


Figure 3 Standard

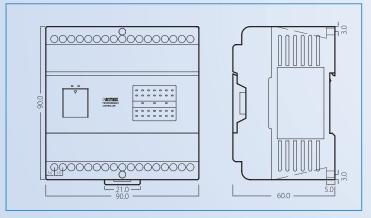


Figure 5 Standard

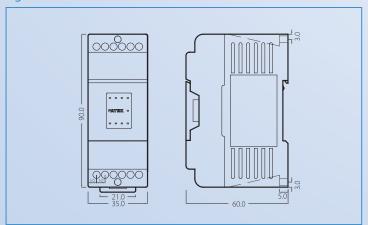


Figure 7 Standard

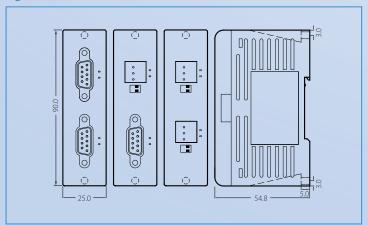


Figure 2 Slim

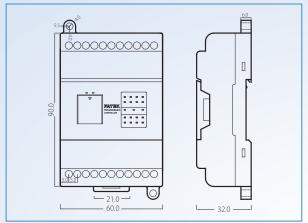


Figure 4 Slim

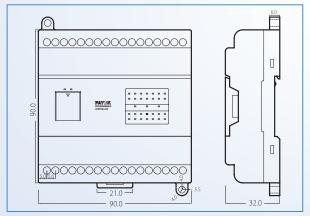


Figure 6 Slim

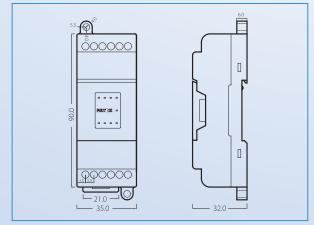
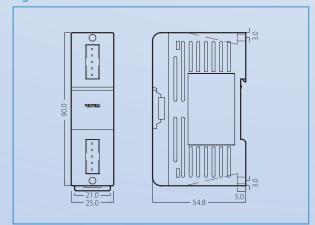
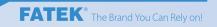


Figure 8 Slim





B1/B1z PLC Model List

| lter | n Name | Model | Specifications | |
|-----------------------------------|--------------------------|--|---|--|
| B1z main units | | B1z-10M♦△-◎☆ | 6 points 24VDC digital input (4 points 10KHz), 4 points relay output or transistor output (4 points 10KHz), built-in 1 communication port, left/right side is not expandable | |
| | | B1z-14M♦△ - ◎☆ | 8 points 24VDC digital input (4 points 10KHz), 6 points relay output or transistor output (4 points 10 KHz), built-in 1 communication port, left/right side is not expandable | |
| | | B1z-20M♦△- ◎☆ | 12 points 24VDC digital input (4 points 10KHz), 8 points relay output or transistor output (4 points 10KHz), built-in 1 communication port, left/right side is not expandable | |
| | | B1z-24M♦△ - ◎☆ | 14 points 24VDC digital input (4 points 10KHz), 10 points relay output or transistor output (4 points 10KHz), built-in 1 communication port, left/right side is not expandable | |
| B1 | | B1-10M◇△-◎☆ | 6 points 24VDC digital input (4 points 10KHz), 4 points relay output or transistor output (4 points 10KHz), built-in 1~2 communication ports, left side is expandable 2~0 modules, right side is expandable up to 64 I/O points | |
| | | B1-14M◇△ - ◎☆ | 8 points 24VDC digital input (4 points 10KHz), 6 points relay output or transistor output (4 points 10KHz), built-in 1~2 communication ports, left side is expandable 2~0 modules, right side is expandable up to 64 I/O points | |
| main units | B1-20M♦△ - ◎☆ | 12 points 24VDC digital input (4 points 10KHz), 8 points relay output or transistor output (4 points 10KHz), built-in 1~2 communication ports, left side is expandable 2~0 modules, right side is expandable up to 64 I/O points | | |
| | B1-24M♦△ - ◎☆ | 14 points 24VDC digital input (4 points10KHz), 10 points relay output or transistor output (4 points 10KHz), built-in 1~2 communication ports, left side is expandable 2~0 modules, right side is expandable up to 64 I/O points | | |
| | | 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 | |
| Right Side Expansion | Digital I/O | B1-16X☆ | 16 points 24VDC digital input | |
| Modules | | B1-16Y♦☆ | 16 points relay or transistor output | |
| | | B1-16XY♦☆ | 8 points 24VDC digital input, 8 points relay or transistor output | |
| | | B1-24XY♦☆ | 14 points 24VDC digital input, 10 points relay or transistor output | |
| | Analog | 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) | |
| | | B1-L2A1D | 2 channels, 12-bit analog input + 1 channel, 12-bit analog output combo analog module(0~10V or 0~20mA) | |
| Left Side | Communication | B1-CM2 | 1 port RS232 (Port 2) communication module | |
| Expansion Modules | | B1-CM5 | 1 port RS485 (Port 2) communication module | |
| | | B1-CM22 | 2 port RS232 communication module | |
| | | B1-CM55 | 2 port RS485 communication module | |
| | | B1-CM25 | 1 port RS232 (Port1) + 1 port RS485(Port2) communication module | |
| | ck programming evices | FBs-PACK | B1/B1z/FBs series of PLC program memory pack with 20K words program, 20K words register, write protection switch | |
| P | WMDA | PWMDA | 10-bit single channel pulse width modulation(PWM) 0~10V analog output(AO) module | |
| Memory Pa | Mamary Pack programming | FP-08 | Handheld programmer for B1/B1z/FBs series of PLC | |
| Memory Pack programming devices | | Winproladder | FATEK-PLC Winproladder Programming software for Windows | |
| Data Access Panels / RFID Card FB | | FBs-DAP-B/BR | 16 x 2 LCD character display, 20 keys keyboard, 24VDC power supply, RS485 communication interface (suffixed R means wireless card read/write module included) | |
| | | FBs-DAP-C/CR | 16 x 2 LCD character display, 20 keys keyboard, 5VDC power supply, RS232 communication interface (suffixed R means wireless card read/write module included) | |
| | | CARD-H | Read / write wireless card (for FBs-DAP-BR/CR) | |

- 1. \diamondsuit : R Relay output T. Transistor SINK (NPN) output J. SOURCE (PNP) output

2. \triangle : 2 – built-in 1 RS232 communication port, U – built-in 1 USB communication port, would find the first side of B1 main units can expand 1 analog module + 1 communication module (1 port) or 1 communication module (1 or 2 ports)

 $25-built-in\ 2\ communication\ ports\ (\ RS232+RS485\), only\ B1\ main\ units\ provided, and\ left\ side\ is\ not\ expandable$

- **3.** \bigcirc : AC 100~240VAC power supply—D24 24VDC power supply
- **4.** ☆: Blank Standard case, -S Slim case (AC power supply has no slim case)

FATEK® AUTOMATION CORPORATION

26F., No.29, Sec. 2, Zhongzheng E. Rd., Danshui Township, Taipei County 251, Taiwan (R.O.C.)

TEL : +886-2-2808-2192 FAX : +886-2-2809-2618

E-mail : sales@fatek.com

tech@fatek.com

Website : www.fatek.com