

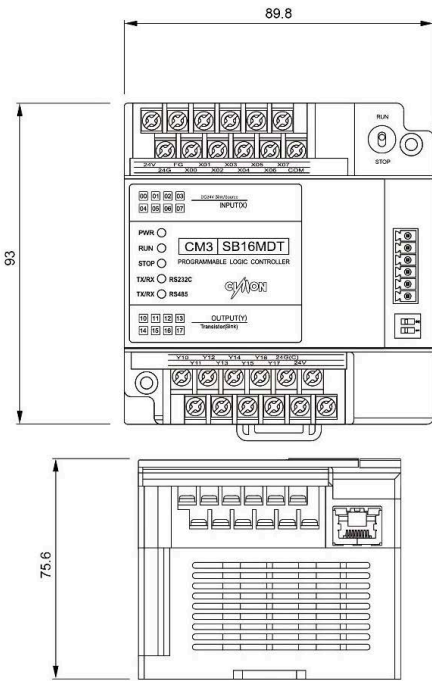
NEW

MICRO-S

BRICK PLC

CIMON

SPECIFICATIONS



COMMUNICATION

Ethernet 10/100, RS-232C, RS-485/422, USB mini-B

COMPACT DESIGN

Strong performance in a small, easy-to-install package.

SPEED

- Max 32 PID loop control.
- Equipped with 20 kHz (kpps) high-speed counter.
- 2-axis 100 kHz (kpps) servo control embedded.

MODEL	CM3-SB16MDTF	CM3-SB16MDCF
Power	DC12V~24V	
Rated I/O Current	Input	4 mA
	Output	1 point 0.2 mA, COM 2 A
Ambient Temp	-10°C~65°C	
Storage Temp	-25°C~80°C	
Program Language	IL (Instruction List), LD (Ladder Diagram), SFC (Sequential Function Chart), FB (Function Block)	
Data Processing	32 Bit	
Instruction Library	Basic	55 Instructions
	Advanced	389 Instructions
Execution Processing Speed	LD X00	300 ns
	MOV D00 D0I	900 ns
Program Memory	10k Step	
Communication	Ethernet 10/100, RS-232C, RS-485/422, USB mini-B	
Digital Input	8 pts (TR Sink / Source)	
Digital Output	8 pts (Sink)	8 pts (Source)
Operating Mode	Remote Run, Remote Stop	
Number of Program Blocks	127	
Type of Program	Scan	5 types including standard scan program (Subroutine, COLD / HOT initialization, periodic interrupts)
	Periodic Interrupts	Maximum 15 Scan Program (Minimum Period: 10 Mins)
	Special	PID, HSC, Positioning
	Communication	User Protocol (Serial) Comm. Program, MODBUS RTU Master, MODBUS RTU/TCP Slave High-Speed PLC Link
Self Diagnosis	Detect Delay of scan time, Memory, I/O, Power Supply	
Expansion	No Expansion	
Memory Type	X	Physical: 8pts (X00-X07); Memory: 992pts (X20-X63F)
	Y	Physical: 8pts (Y10-Y17); Memory: 992pts (Y20-Y63F)
	M	8192 pts (M0000-M511F)
	L	4096 pts (L0000-L255F)
	K	4096 pts (K0000-K255F); Latching
	F	2048 pts (F0000-F127F)
	T	512 pts (T0000-T0511)
	C	512 pts (C0000-C0511)
	S	100 states x 100 set (00.00-99.99)
	D	10000 words (D0000-D9999)
Z	1,024 words(Call Stack: Z0000-Z0063, Z1000-Z1063)	
Q	8192 pts (Q0000-Q511F)	
R	16 pts (Index)	
Etc.	Floating Arithmetic, Online Edit	

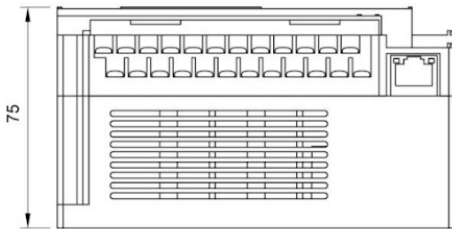
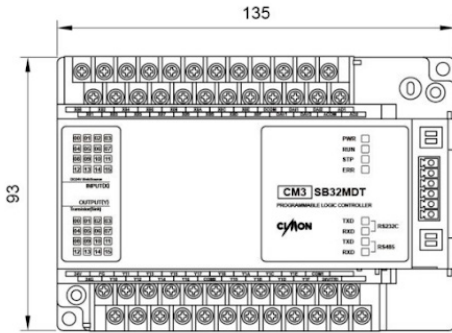
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COMMUNICATION

Ethernet 10/100, RS-232C, RS-485/422, USB mini-B

INCREASED I/O

Get double the digital I/O of the SBI6 Brick PLC plus an additional 4 analog channels.

SPEED

- Max 32 PID loop control.
- Equipped with 20 kHz (kpps) high-speed counter.
- 2-axis 100 kHz (kpps) servo control embedded.

MODEL		CM3-SB32MDTF	CM3-SB32MDCF	CM3-SB32MDRF
Power		DC12V~24V		
Rated I/O Current	Input	4 mA		
	Output	1 point 0.2 mA, COM 2 A		1 point 2 mA, COM 5 A
Ambient Temp		-10°C~65°C		
Storage Temp		-25°C~80°C		
Program Language		IL (Instruction List), LD (Ladder Diagram), SFC (Sequential Function Chart), FB (Function Block)		
Data Processing		32 Bit		
Instruction Library	Basic	55 Instructions		
	Advanced	389 Instructions		
Execution Processing Speed	LD X00	300 ns		
	MOV D00 D01	900 ns		
Program Memory		10k Step		
Communication		Ethernet 10/100, RS-232C, RS-485/422, USB mini-B		
Digital Input		16 pts (TR Sink / Source)		
Digital Output		16 pts (Sink)	16 pts (Source)	16 pts (Relay)
Analog Input / Output		AI 2 pts (0-20 mA, 0-10V), AO 2 pts (4-20 mA, 0-10V)		
Operating Mode		Remote Run, Remote Stop		
Number of Program Blocks		127		
Type of Program	Scan	5 types including standard scan program (Subroutine, COLD / HOT initialization, periodic interrupts)		
	Periodic Interrupts	Maximum 15 Scan Program (Minimum Period: 10 Mins)		
	Special	PID, HSC, Positioning		
	Communication	User Protocol (Serial) Comm. Program, MODBUS RTU Master, MODBUS RTU/TCP Slave High-Speed PLC Link		
Self Diagnosis		Detect Delay of scan time, Memory, I/O, Power Supply		
Expansion		No Expansion		
Memory Type	X	Physical: 16pts (X00-X0F); Memory: 992pts (X20-X63F)		Bit
	Y	Physical: 16pts (Y10-Y1F); Memory: 992pts (Y20-Y63F)		Bit
	M	8192 pts (M0000-M511F)		Bit
	L	4096 pts (L0000-L255F)		Bit
	K	4096 pts (K0000-K255F);		Bit
	F	2048 pts (F0000-F127F)		Bit
	T	512 pts (T0000-T0511)		Word
	C	512 pts (C0000-C0511)		Word
	S	100 states x 100 set (00.00-		-
	D	10000 words (D0000-D9999)		Word
	Z	1,024 words(Call Stack: Z0000-Z0063, Z1000-Z1063)		Word
Q	8192 pts (Q0000-Q511F)		Bit	
R	16 pts (Index)		-	
Etc.		Floating Arithmetic, Online Edit		