

Still using text display ?



PLC HMI I/O
IN ONE UNIT

it's SAMBA time!

**Improve your competitive advantage.
Great look - incredible price.**

PLC features

- I/O options: Digital, Analog, including High-speed
- Auto-tune PID, 2 independent loops
- Recipe programs and data logging via Data Tables
- Time-based control in 3 clicks

HMI features

- 3.5" Color-touch, 320 x 240 pixels (QVGA)
- HMI graphs - color-code Trends
- Built-in alarm screens
- Text String Library - easy localization
- Troubleshoot via the HMI panel - no PC needed

Communication features

- GPRS/GSM
- TCP/IP via Ethernet
- Send e-mail function
- SMS messaging
- Remote Access utilities
- MODBUS protocol support
- CANbus: CANopen, UniCAN, SAE J1939 and more ...
- DF1 Slave
- Ports: supplied with 1 RS232; 2 ports may be added: 1 Serial (RS232/RS485)/Ethernet & 1 CANbus



Article Number	SM35-J-R20 ¹	SM35-J-T20 ¹
	10 Digital Inputs 2 Digital /Analog ² 8 Relay Outputs	10 Digital Inputs 2 Digital /Analog 8 Transistor Outputs
Inputs		
Digital	12	12
HSC/Shaft-Encoder/Max. Freq. Measurer ^{3,4}	1 32-bit 30 kHz	3 32-bit 30 kHz
Analog	2 10-bit 0-10v 0-20mA, 4-20mA	2 10-bit 0-10v 0-20mA, 4-20mA
Outputs		
Digital	8 relay	8 pnp
High-Speed Outputs/PWM	None	Outputs 0 to 6 can be used as PWM outputs 0.5 kHz
I/O Expansion		
	Remote I/Os via CANbus	Remote I/Os via CANbus
Program		
Application Memory	Application Logic — 112kb, Images: 1 MB, Fonts: 512 k	
Scan Time	15µS per 1K of typical application	
Memory Operands	512 coils, 256 registers, 32 long integers (32-bit), 32 double words (32-bit unsigned), 24 floats, 32 timers (32-bit), 16 counters. Additional non-retainable operands: 64 X-bits, 32 X-integers, 16 X-long integers, 16 X-double words	
Data Tables	32K dynamic RAM data (recipe parameters, datalogs, etc.), up to 16K Flash data	
SD Card (Micro)	None	
Enhanced Features	Trends: graph any value and display on HMI, String Library: instantly switch HMI language	
Operator Panel		
Type & Colors	TFT LCD, 65,536 colors, 16 bit resolution, Brightness - Adjustable via touchscreen or software	
Display	Resolution: 320 x 240 pixels (QVGA), Size: 3.5"	
Touchscreen	Resistive, Analog	
Keys	Displays virtual keyboard when the application requires data entry	
General		
Power Supply	24VDC	
Battery	7 years typical at 77°F, battery back-up for RTC and system data, including variable data	
Environment	NEMA4X/IP66/IP65 (when panel mounted)	
Clock	Real-time clock functions (date and time)	

Integrated HMI/PLC software

FREE

Unlimited tech support

FREE

Additional COM Modules

Isolated RS232/RS485 V100-17-RS4X	RS232/RS485 V100-17-RS4	Ethernet V100-17-ET2	CANbus V100-17-CAN
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1. Not yet UL certified
2. When selecting NPN for the digital inputs, the 2 Analog inputs cannot be used
3. Certain inputs can function as high-speed counters, shaft-encoder inputs, or normal digital inputs
4. This specification depends on cable length

Distributors

DOC17005-A1



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