Still using text display?

ECONOMY AUTOMATION

PLC **HMI** **I/O**

IN ONE UNIT

3.5"

4.3"

7"

NEW

it's SAMBA time!

Improve your competitive advantage.
Great look – incredible price. Free software and support.

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

- Display: Color touch-screen
  3.5" 320x240 | 4.3" 480x272 | 7" 800x480

- 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
- SMS messaging, Send e-mail function
- Remote Access utilities
- MODBUS protocol support
- CANbus: CANopen, UniCAN, SAE J1939 and more...
- DF1 Slave
- Ports: RS232 programming port in 3.5" model and USB programming port in 4.3" model; 2 ports may be added: 1 Serial (RS232/RS485)/Ethernet & 1 CANbus

UNITRONICS

Article Number	SM35-J-R20 SM43-J-R20 SM70-J-R20 NEW		SM35-J-T20 SM43-J-T20 SM70-J-T20 NEW	
	10 Digital Inputs 2 Digital /Analog[1] 8 Relay Outputs		10 Digital Inputs 2 Digital /Analog 8 Transistor Outputs	
Inputs				
Digital	12		12	
HSC/Shaft-Encoder/Max. Freq. Measurer [2,3]	1 32-bit 30 kHz 2 10-bit		3 32-bit 30 kHz 2 10-bit	
Analog	0-10v 0-20mA, 4-20mA		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	SM35	Application Logic – 112kb, Images: 1 MB, Fonts: 512 k		
	SM43	Application Logic – 112kb, Images: 2 MB, Fonts: 512 k		
NEW	SM70	Application Logic – 112kb, Images: 5 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	SM35	Resolution: 320 x 240 pixels, Size: 3.5" (QVGA)		
	SM43	Resolution: 480 x 272 pixels, Size: 4.3"		
NEW	SM70	Resolution: 800 x 480 pixels, Size: 7"		
Touchscreen	Resistive, Analog			
Keys	Displays virtual keyboard when the application requires data entry			
General				
Power Supply	24VDC			
Battery	7 years typical at 25°C, battery back-up for RTC and system data, including variable data			
Environment	IP66/IP65/NEMA4X (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 V100-17-RS4X	RS232/RS485 V100-17-RS4	Ethernet V100-17-ET2	CANbus V100-17-CAN

1. When selecting NPN for the digital inputs, the 2 Analog inputs cannot be used
2. Certain inputs can function as high-speed counters, shaft-encoder inputs, or normal digital inputs.
3. This specification depends on cable length