# Still using text display?



3.5"



# 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

- 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:

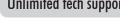
1 Serial (RS232/RS485)/Ethernet & 1 CANbus



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 <sup>1</sup> 8 Relay Outputs	10 Digital Inputs 2 Digital /Analog 8 Transistor Outputs	
Inputs				
Digital HSC/Shaft-Encoder/Max. Freq. Measurer <sup>2,3</sup> Analog		12 1 32-bit 30 kHz 2 10-bit 0-10v	12 3 32-bit 30 kHz 2 10-bit 0-10v	
3		0-20mA, 4-20mA	0-20mA, 4-20mA	
Outputs				
Digital High-Speed Outputs/PWM		8 relay None	8 pnp Outputs 0 to 6 can be used as PWM outputs 0.5 kHz	
I/O Expansion			Corpora C to C can be essed as 1 1111 octipots of S kitz	
·		Remote I/Os via CANbus		
Program				
Application Memory	SM35 SM43 SM70	Application Logic — 112kb, Images: 1 MB, Fonts: 512 k Application Logic — 112kb, Images: 2 MB, Fonts: 512 k Application Logic — 112kb, Images: 5 MB, Fonts: 512 k		
Scan Time Memory Operands		15µS per 1K of typical application 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, e		
SD Card (Micro)		None		
Enhanced Features		Trends: graph any value and display on HMI, String Lib	rary: instantly switch HMI language	
Operator Panel				
Type & Colors		TFT LCD, 65,536 colors, 16 bit resolution, Brightness -	Adjustable via touchscreen or software	
Display	SM35			
	SM43	Resolution: 480 x 272 pixels, Size: 4.3"		
	SM70	Resolution: 800 x 480 pixels, Size: 7"		
Touchscreen				
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)		



Unlimited tech support



## Additional COM Modules

Isolated RS232/RS485 V100-17-RS4X

RS232/RS485 V100-17-RS4

Ethernet V100-17-ET2 **CANbus** V100-17-CAN

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

Distributors

