FLEXEM——Text Display HMI Series

Module: **FE1043**

Overview

- 32-bit RISC processor with ARM CORTEX-M3 core, high speed and smooth.
- Standard dual-channel serial communication ports, connecting different PLCs or controllers simultaneously, fast communication speed.
- Support any language that Windows can input and display.
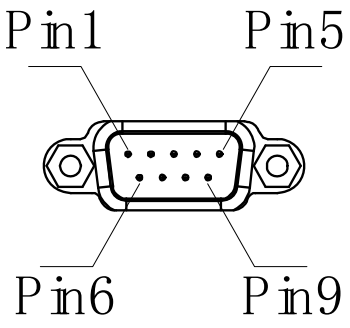- MPI directly connected to Siemens S7-200, no need go through the adapter.
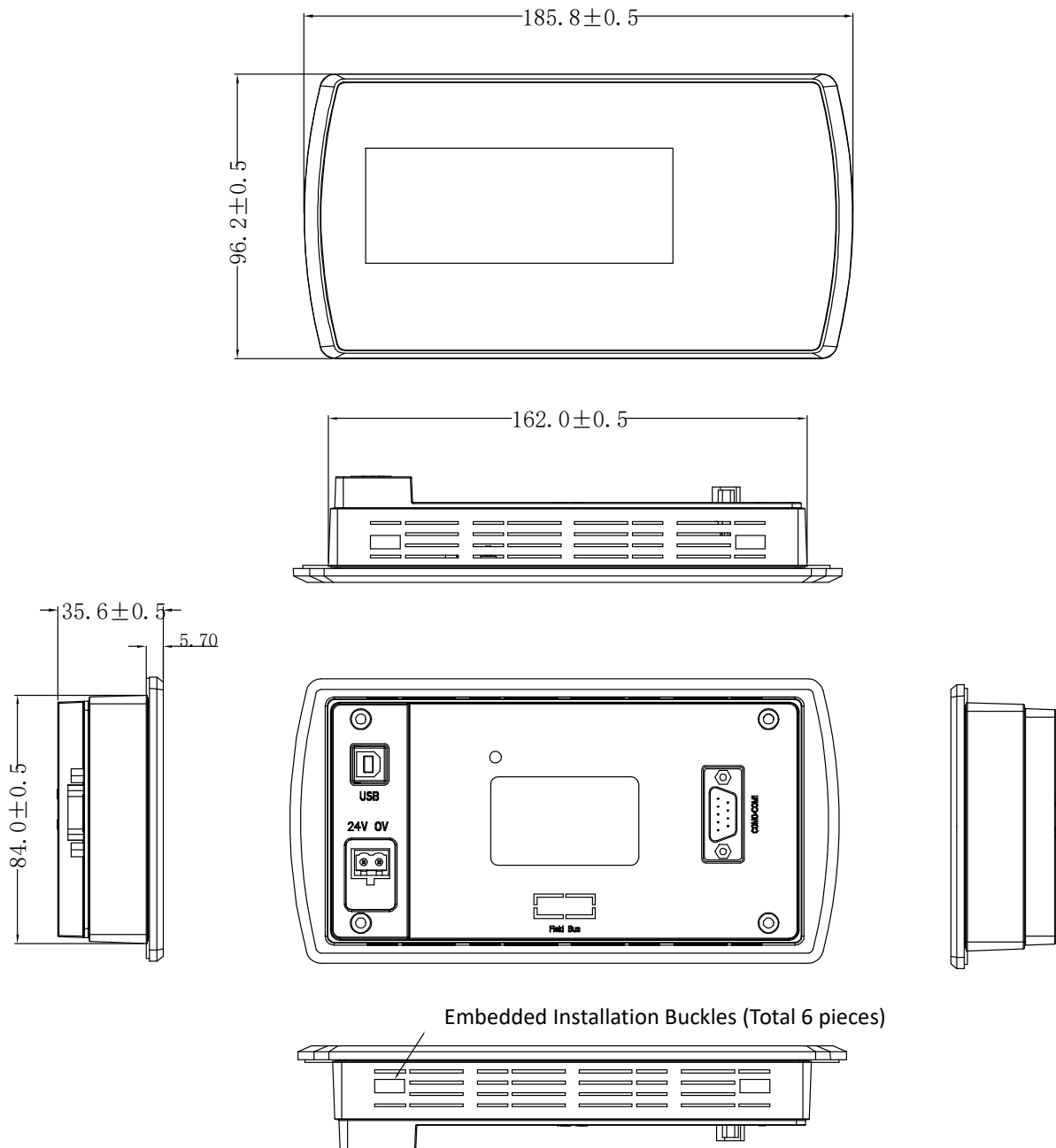
Appearance

Specifications

Hardware Parameter	Display	4.3'' STN
	Resolution(WxH)	192×64
	Colors	Mono(Yellow-green backlight, black)
	Brightness	60 cd/m^2
	Backlight	LED
	LCD Life	50000 hours
	CPU	32 Bit 72MHz ARMRISC
	Memory	256K Flash
	RTC	Built in
	Ethernet	NA
	SD Card Port	NA
	USB Port	USB Device Port*1
	Download Project	USB Slave Port/U-disk
	COM Port	COM0: RS232/RS485/RS422, COM1: RS232
	LCD viewing angle (T/B/L/R)	35'/40'/40'/40'
Electrical Specifications	Power Consumption	< 4W
	Input Power	DC12/24V, Working range DC 9V~36V
	Power Protection	Isolated power supply, protected from thunders trike and surging
	Power Down Allowed	< 5mS
	CE & RoHS	Complied with EN61000-6-2:2005, EN61000-6-4:2007, ROHS, Surge Immunity:±1KV, EFT:±2KV, ESD:4KV, Air:8KV
Environmental Specifications	Operating Temperature	0~45C
	Storage Temperature	-20~70C
	Anti-UV	Not suitable to work under strong ultraviolet light (such as direct sunlight)
	Operating Humidity	10~90%RH (no condensate)
	Vibration Endurance	10~25Hz (X,Y,Z direction 2G/30 minutes)
	Cooling	Natural air cooling
Mechanical Index	Degree of Protection	Front IP65 (with NEMA panel, Back IP20)
	Enclosure	Engineering plastic
	Panel Cutout	165mm×86mm
	Dimension	185.8mm×96.2mm×35.6mm
	Weight	About 300g

Wiring definition

Power Terminal (Pin1~Pin3 from left to right)			
	Pin1	24V	
	Pin2	0V	
DB9 Serial Terminal (Pin1~Pin9 from left to right)			
	Pin1	Rx-(B）	
	Pin2	RxD (COM0 RS232)	
	Pin3	TxD (COM0 RS232)	
	Pin4	Tx-	
	Pin5	GND	
	Pin6	Rx+(A)	
	Pin7	RxD (COM1 RS232)	
	Pin8	TxD (COM1 RS232)	
	Pin9	Tx+	

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Website:www.flexem.com
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Size   F1043

185.8±0.5

96.2±0.5

162.0±0.5

35.6±0.5

5.70

84.0±0.5

USB

24V 0V

COM0/COM

Field Bus

Embedded Installation Buckles (Total 6 pieces)

Panel Cutout of Embedded installation： **165mm*86mm(-0.0/+1.0mm)**

Contact Us

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