

STM6000 Edge Box HMI



STM6000 Edge Box HMI

Model : PFXSTM6B00DIOT

■ Electrical Specifications

Rated Input Voltage		24 Vdc
Input Voltage Limits		19.2...28.8 Vdc
Voltage Drop		5 ms or less
Power Consumption	Max	6.8 W
	When power is not supplied to external devices	3.5 W
In-rush current		30 A or less
Noise immunity		Noise voltage: 1,000 Vp-p Pulse duration: 1 µs Rise time: 1 ns (via noise simulator)
Voltage Endurance		1,000 Vac for 1 minute (between power terminal and FG terminal)
Insulation Resistance		500 Vdc, 10 MΩ or more (between power terminal and FG terminals)

■ Environmental Specification

Ambient air temperature	0 to 60 °C (32 to 140 °F)
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Ambient air and storage humidity	10%...90% RH (Non condensing, wet bulb temperature 39 °C [102.2 °F] or less)
Dust	0.1 mg/m3 (10-7 oz/ft3) or less (non-conductive levels)
Pollution Degree	For use in Pollution Degree 2 environment
Corrosive Gases	Free of corrosive gases
Air pressure (altitude range)	800 to 1,114 hPa (2,000 m [6,561 ft.] above sea level or less)
Vibration Resistance	IEC/EN 61131-2 compliant 5 to 9 Hz single amplitude 3.5 mm [0.14 in.] 9 to 150 Hz fixed acceleration: 9.8 m/s ² X, Y, Z directions for 10 cycles (approx. 100 min.)
Shock Resistance	IEC/EN 61131-2 compliant 147 m/s ² , X, Y, Z directions for 3 times
Electrical fast transient/burst	IEC 61000-4-4 2 kV: Power port (display unit) 1 kV: Signal ports

■ Interface Specification

Serial (COM1)	Asynchronous Transmission: RS-232C/422/485, Data Length: 7 or 8 bits, Stop Bit: 1 or 2 bits, Parity: None, Even or Odd, Data Transmission Speed: 2,400 to 115,200 bps, Connector: D-Sub 9 (plug)
USB (Type A)	Conforms to USB 2.0 (Type A) x 1 Power supply voltage: 5 Vdc ±5 % Output Current: 500 mA/port Maximum transmission distance : 5 m [16.4 ft.]
USB (micro-B)	Conforms to USB 2.0 (micro-B) x 1, Maximum transmission distance : 5 m [16.4 ft.]
Ethernet	IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX, Connector: Modular jack (RJ-45) x 2
Extension Display module	Connector RJ45 on the Din Rail adapter

■ Structural Specification

Grounding	Functional grounding: Grounding resistance of 100 Ω or less, 2 mm ² (AWG 14) or thicker wire, or your country's applicable standard (SG and FG are connected inside the product).
Cooling method	Natural air circulation
Structure	IP20
External dimensions (W x H x D)	145.6 x 108.23 x 41.4 mm (5.73 x 4.26 x 1.63 in) (excluding protrusions)
Weight	0.27 kg (0.6 lb) or less
Mounting	Din-Rail adapter included

NOTE:

EQUIPMENT DAMAGE

- Store this product in areas where temperatures are within the product's specifications.
- Do not restrict or block the product's ventilation slots.

Failure to follow these instructions can result in equipment damage.

■ Memory

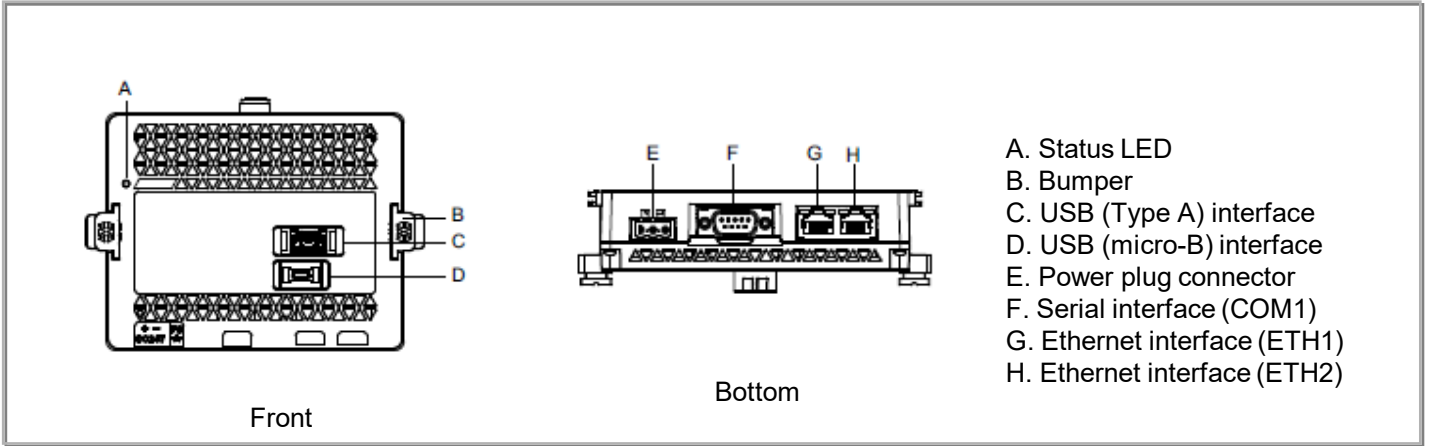
Application Memory	Editor : BLUE Open Studio	FLASH EPROM
	Local Storage	220MB *1
	Removable system	FLASH EPROM 220MB *2
Backup Memory	Editor : BLUE Open Studio	-
	Battery	Replaceable battery / Primary battery for clock data backup

*1 This memory is used for HMI Runtime and project data.

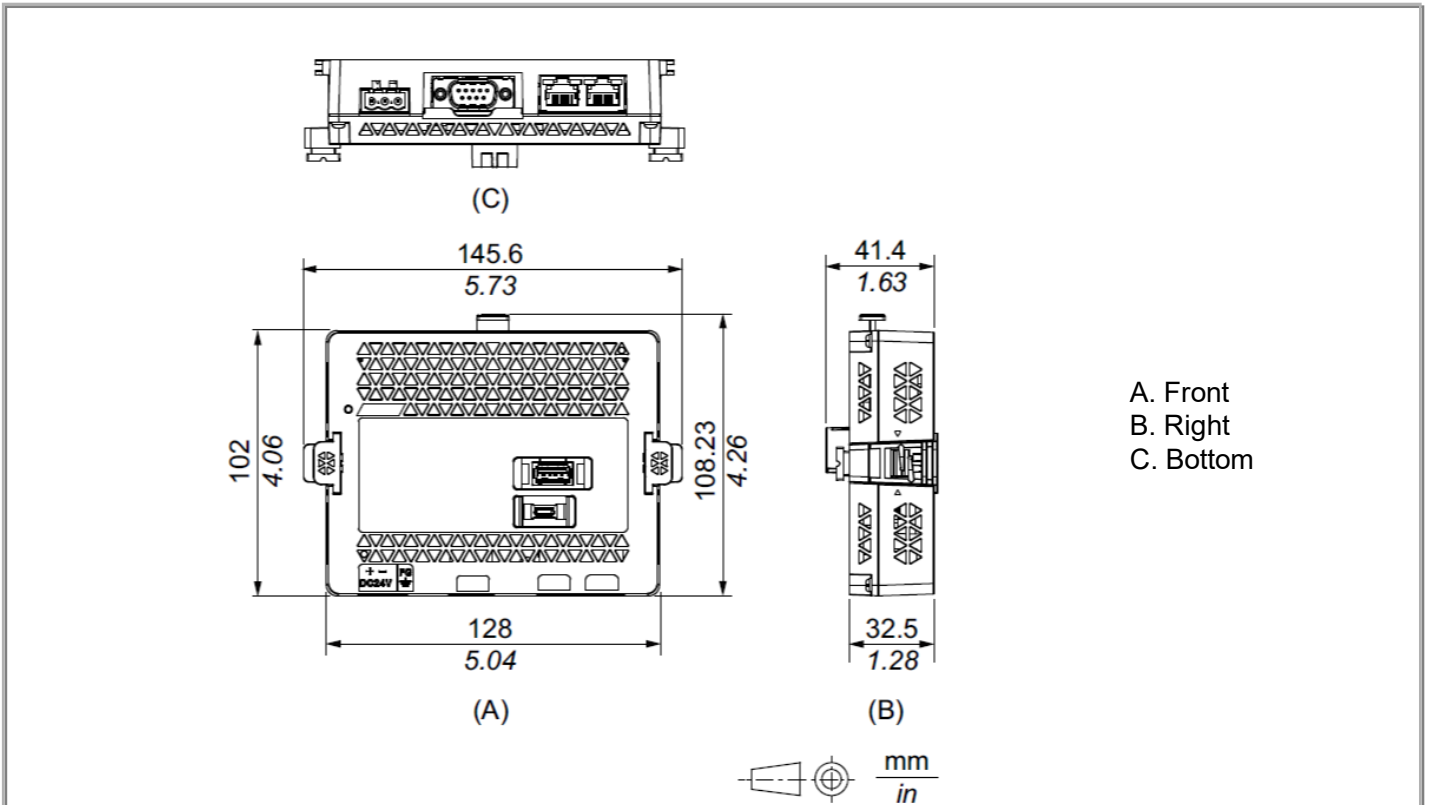
*2 This local storage is used for file storage. Alarm history data, event log, and data logging are stored into local storage. (Using FLASH EPROM)

STM6000 Edge Box HMI

Parts Identification



Dimensions



When Installation Adapter Attached

