

# 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 $\mu$ s 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 M $\Omega$ 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/m <sup>3</sup> (10-7 oz/ft <sup>3</sup> ) 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 <sup>2</sup> X, Y, Z directions for 10 cycles (approx. 100 min.)
Shock Resistance	IEC/EN 61131-2 compliant 147 m/s <sup>2</sup> , 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 $\pm$ 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



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Internal

## ■ Structural Specification

Grounding	Functional grounding: Grounding resistance of 100 Ω or less, 2 mm <sup>2</sup> (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

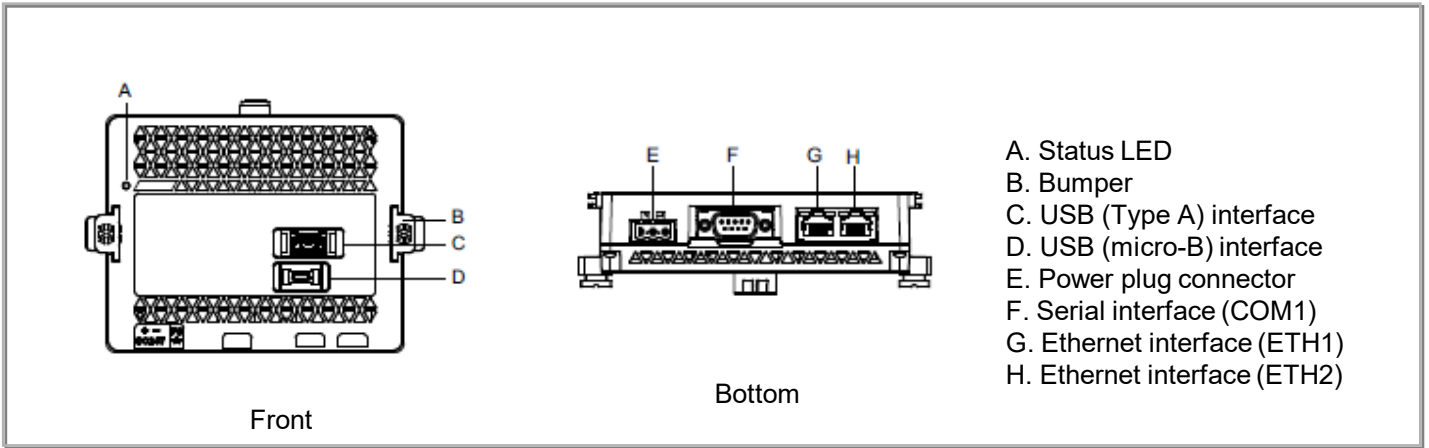
Application Memory	Editor : BLUE Open Studio	FLASH EPROM
	Local Storage	220MB *1
	Removable system	FLASH EPROM 220MB *2
Backup Memory	Editor : BLUE Open Studio	-
	Battery	Replaceable battery / Primary battery for clock data backup

\*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)

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## Parts Identification



## Dimensions

