

PFXSP5B90 / PFXSP5B90F0H

Standard product information	Electrical specifications
Memory	Interface specifications
Structural specifications	Dimensions

Standard product information	
Family	HMI
Series	SP5000X Series
Size	Box
Model	PFXSP5B90
Global Code	PFXSP5B90
Product Features	Box Module

Electrical specifications	
Rated input voltage	12 Vdc (Supply from Display Module or DC Power Supply Adapter for Box Module "PFXZCDADEXP1")
Power consumption	Max. 20 W

Memory	
Application memory	<p>When using GP-Pro EX:</p> <ul style="list-style-type: none"> - Media: SD Card - Screen Area: 64MB *Use the screen area when the user font area's capacity is

	<p>converted in software. However, this reduces application memory capacity (for screen data) by 1 MB.</p> <p>- Free Space: None</p> <p>Removable System: Yes</p>
Backup memory	<p>When using GP-Pro EX:</p> <p>- Screen Area: NVRAM 320KB</p> <p>- Variable Area: NVRAM 64KB</p> <p>Battery: None^{*1}</p>

^{*1} SP5000X Series can retain NVRAM (backup memory) and RTC (clock data) without any batteries. But, when no power is supplied for 100 days or more, it's necessary to additionally mount this option item to retain RTC (clock data).

Interface specifications	
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 pin (plug)
Serial (COM2)	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, 187,500 bps (MPI), Connector: D-Sub 9 pin (plug)
USB (Type A)	Conforms to USB 2.0 (Type A) x 2 Power supply voltage: 5 Vdc ±5 % Output Current: 500 mA/port Communication distance: 5 m [16.4 ft.]
USB (mini-B)	Conforms to USB 2.0 (mini-B) x 1, Communication Distance: 5 m [16.4 ft] or less
Ethernet	IEEE802.3i / IEEE802.3u / IEEE802.3ab, 10BASE-T / 100BASE-TX / 1000BASE-T, Connector: Modular jack (RJ-45) x 2 ^{*1}
SD card	SD Card Slot (System) x 1 SD Card Slot (Storage) x 1
Expansion unit	Fieldbus Unit x 1 (PROFIBUS / J1939* / CANopen / FLEX NETWORK) * To be released in 2019
Sound output	Speaker Output: 300mW or more (Rated Load: 8Ω, Frequency: 1kHz), LINE Output: 1.4Vp-p (Rated load: 10kΩ), Connector: 2-piece terminal block (AUX) x 1

Connector: 2-piece terminal block (A0X) x 1

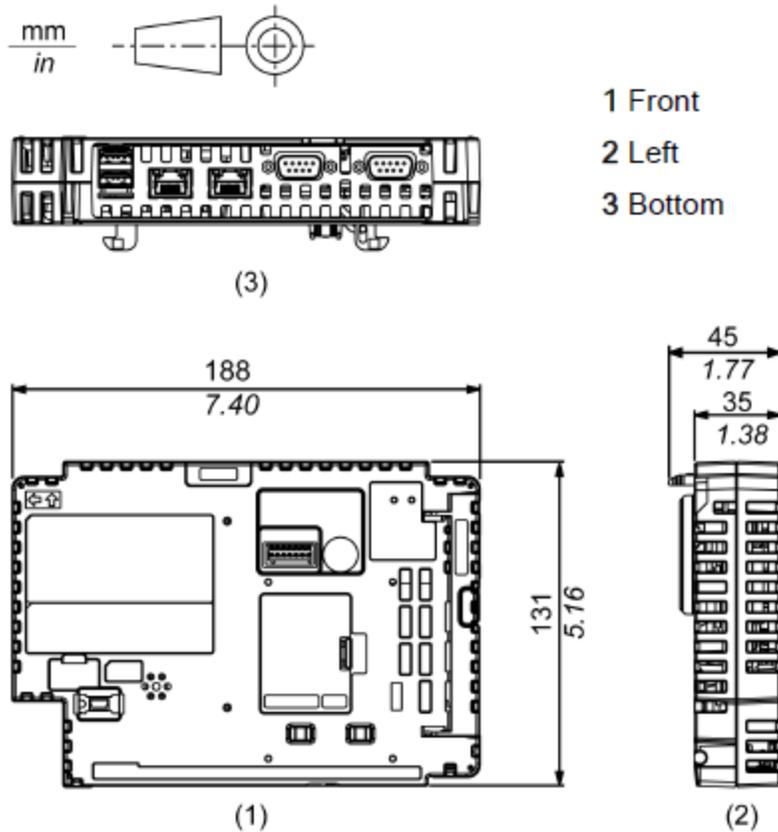
*1 For 1000BASE-T communication, use twisted pair Ethernet cables with a rating of category 5e or higher.

Structural specifications

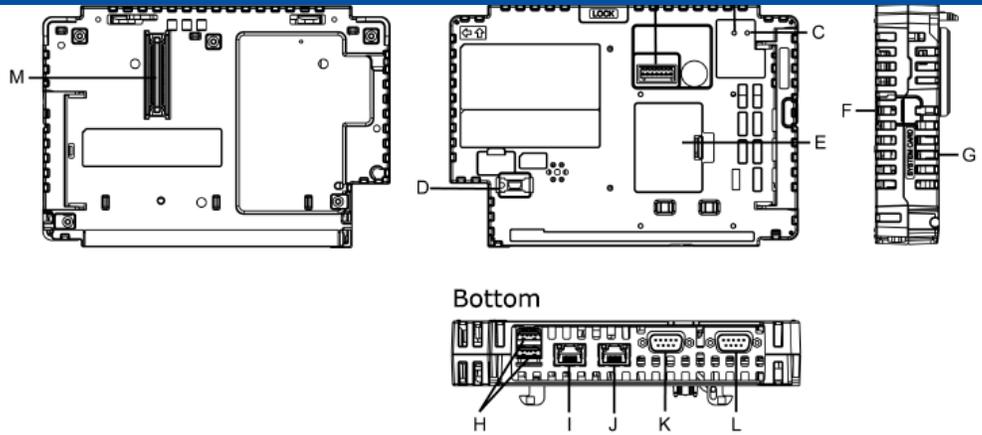
Cooling method	Natural air circulation
External dimensions	W188 x H131 x D35 mm [W7.40 x H5.16 x D1.38 in.]
Weight	0.9 kg [1.98 lb] or less

Dimensions

External dimensions



Parts Identification



A: Auxiliary output/Speaker output interface (AUX), B: Status LED, C: Card access LED, D: USB (mini-B) interface, E: Expansion unit interface cover (EXT), F: Storage card cover, G: System card cover, H: USB (Type A) interface, I: Ethernet interface (Ethernet1), J: Ethernet interface (Ethernet2), K: Serial interface (COM1), L: Serial interface (COM2), M: Display Module interface