

Advanced Operating Terminal for Food Industry Applications

Drip-proof touch panel computer in a stainless steel housing

PT-V18W Series



IPX2 Drip-Proof

SUS430 Stainless

18.5-inch Full HD

10-Point Multi Touch

Windows 10 IoT

Power Failure
Protection System

*Limited to 2-point multi-touch support with droplets on screen



Good for vertical installation as well



Wireless LAN and Bluetooth models available

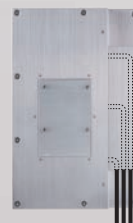
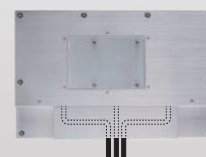
Water-resistant IPX2 enclosure (IP65 front)

Drip-proof design for problem-free use in food processing factories.

Resistant to false touch detection caused by water droplets and usable with gloves^{*1}

Equipped with an advanced electrostatic touch panel.

*1 Operation confirmed with medium-thick latex gloves only



Drip-proof cover for vertical and horizontal installations

For display
terminals
in kitchens



For instruction
terminals in
food processing
factories





Ordering Information

Model	Wireless LAN / Bluetooth	LCD / Touch Screen	CPU / Memory / Storage	OS
PT-V18WB-210D-J104M05	Not available	18.5-inch Full HD(1920 x 1080) / Projected capacitive touch	Atom x5-E3940 1.6GHz Quad-core / 8GB ECC / M.2 64GB SSD MLC	Not available
PT-V18WB-210D-J104M05W19				Windows 10 IoT Enterprise 2019 LTSC 64-bit (English/Chinese/Japanese/Korean)
PT-V18WB-210DR-J104M05	Available			Not available
PT-V18WB-210DR-J104M05W19				Windows 10 IoT Enterprise 2019 LTSC 64-bit (English/Chinese/Japanese/Korean)

Specifications

Item	Description
CPU	Intel® Atom® x5-E3940 Processor 1.6GHz
BIOS	AMI BIOS
Security (TPM)	TCG TPM2.0
Memory	8GB (204-pin SO-DIMM ECC), PC3L-12800 (DDR3L-1600)
Graphics Controller	Intel® HD Graphics 500 (CPU integrated)
LCD type	LCD
	Backlight
Touchscreen	Resolution
	Detection method
	Connection
Display	DisplayPort x1, Analog RGBx1
Audio	HD Audio compliant, LINE OUT x 1, MIC IN x 1, 3.5φ stereo minijack, Full-scale output level 1.1Vrms (Typ.)
LAN	Intel® I210IT controllers, 1000BASE-T/100BASE-TX/10BASE-T x 2 ports (RJ-45 connector), supports Wake On LAN
Wireless LAN*1	IEEE 802.11ac/a/b/g/n
Bluetooth*1	4.2
USB	Type-A controller USB3.2Gen1 (USB3.0)-compliant x 4 port, USB2.0-compliant x 2 ports
Serial	RS-232C/422/485 x 1 port, RS-232C x 1 port
Storage	M.2 2242, SATAIII x 1 (M.2 card 64GB(MLC) on-board)*2, CFAST Slot x 1
Hardware monitoring	Monitoring CPU temperature, board temperature, power voltage
Watchdog timer (WDT)	Software programmable ,255 level (1 to 255sec) Time up allows reset
RTC/CMOS	Lithium backup battery life: 10 years or longer *3 The real-time clock is accurate within ±3 minutes (at 25°C) per month (CPU built-in RTC).
Power Management	Power management setup via BIOS, Supports ACPI Power management
Power supply	Rated input voltage
	Input voltage range
	Power consumption (Max.)
	External device power supply capacity
OS	None / Windows 10 IoT Enterprise 2019 LTSC 64-bit (English/Chinese/Japanese/Korean)
Physical dimensions (W x D x H)	472 x 302 x 65 mm (18.58 x 11.89 x 2.56 inch) (Not including protrusions)
Weight	5.3kg / 2.20lb (approx.)
Environment Requirements	Operating temperature
	Non-operating temperature
	Operating humidity
	Floating dust particles
	Corrosive gases
	Standard

*1 Wireless LAN and Bluetooth are only available in the wireless models.

*2 It is already built into the product. The capacity that can be recognized from OS might be displayed fewer than an actual value.

*3 It is when the power is disconnected for 16 hours a day.

*4 The wireless model is excluded from CE Standard.

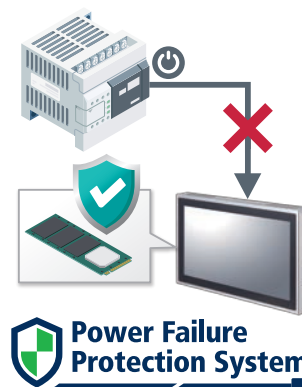
*5 The wireless module is set only in the wireless models.

Options

Product Name	Model type	Description
AC adapter	PWA-90AWD1	Switching AC adapter 12VDC 7.5A
	CFS-4GB-A	4GB SATA CFAST card (SLC)
	CFS-8GB-A	8GB SATA CFAST card (SLC)
Storage	CFS-16GB-A	16GB SATA CFAST card (SLC)
	CFS-32GBM2-A	32GB SATA CFAST card (MLC)
	CFS-16GBQ-A	16GB SATA CFAST card (Q-MLC)
	CFS-32GBQ-B	32GB SATA CFAST card (Q-MLC) (Wide temperature range specification)

Reliable operation with no shutdown required

When used with the Windows lockdown function (UWF: Unified Write Filter), power can also be safely turned off without a shutdown process. PT-V18W has a ROM-based OS and dedicated SSD to protect the file system, even in the event of a sudden power failure.



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