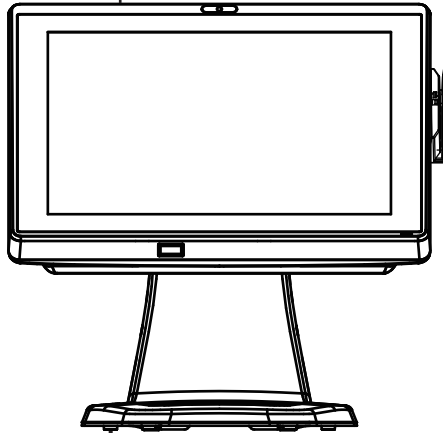


PA-J580

Quick Reference Guide



Ver. Q2

All Rights Reserved. Copyright 2021

Packing Checklist

If you discover any of the items below is damaged or lost, please contact your vendor immediately.

- PA-J580 X 1
- This Quick Reference Guide X 1
- Power Adaptor X 1
- AC Power Cord X 1
- Driver DVD X 1
- Option X 1

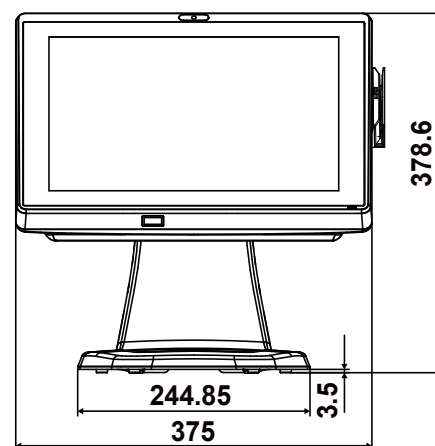
Specifications

System	CPU Support	Intel® Core™ i5-7300U Intel® Core™ i3-7100U Intel® Pentium® 4415U Intel® Celeron® 3965U
	Memory	1 x DDR4 SO-DIMM (up to 16GB)
	Network	Gigabit 10/100/1000 Base-T Fast Ethernet
	Power Supply	60W for standard, 90W for Printer-Stand
	Audio	2W speaker
	System Weight	With power adaptor approx. 7kg
	Dimensions	375 x 378.6 x 288.35 mm (with 45 degree)
	O.S. Support	Windows 10 IoT Enterprise
Storage	HDD	1 x 2.5" HDD or SSD
I/O Ports	USB	Rear: 2 + 2(option) x USB 2.0 / 2 x USB 3.0 Side: 1 x USB 2.0
	Power USB	(option) 1 x 24V power USB or 1 x 12V power USB
	Serial Ports	1 x RJ45, 1+1(option) x DB-9 (5V/12V selectable by jumper)
	LAN	1 x RJ45
	VGA	1 x DB15
	HDMI	1 x HDMI
	Audio	(option) 1 x Line Out, 1 x Mic In (3.5 mm phone jack)
	Cash Drawer	1 x RJ11 (+12V or +24V selectable)
Add-ons	DC In	1 x 4-pin DC power jack / 24V DC in
	Customer Display	VFD kit, 20 columns and 2 lines, each column is 5 x 7 dots
	MSR & iButton	ISO I,II,III; JIS II and support information key
	RFID	ISO14443A read/write; ISO18092 read only
	Fingerprint	8-bit grayscale reader
Display	Camera	2.0M pixel CMOS camera module
	Barcode Scanner	1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11 2D: PDF417, QR Code, Micro QR, Data Matrix
	LCD	15" TFT LCD
Environment	Brightness	300 cd/m ²
	Max. Resolution	1024 x 768
	Touchscreen	Bezel-free 5-wire analog resistive or projected capacitive
	Tilt Angle	0~50 degree
	EMC & Safety	CE / FCC
Environment	Operating Temp.	0°C ~ 35°C (32°F ~95°F)
	Storage Temp.	-20°C ~ 60°C (-4°F ~140°F)
	Humidity	20% ~ 90%

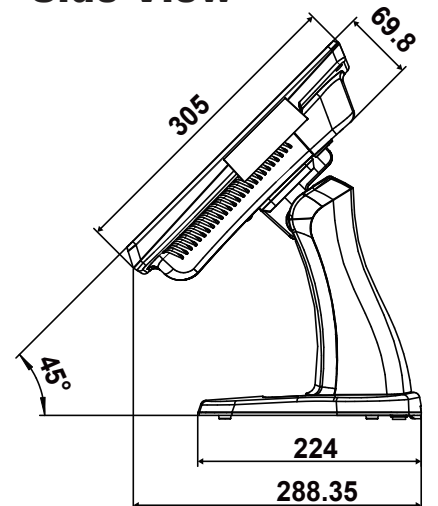
System View

Unit: mm

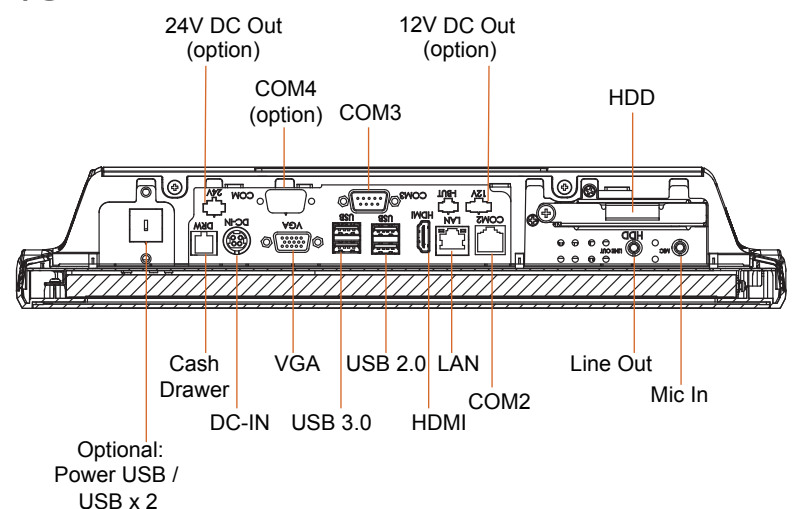
Front View



Side View



Rear I/O



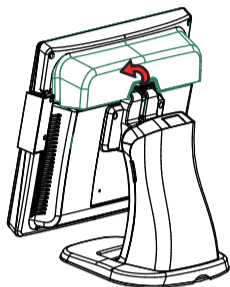
PA-J580

High Performance 15" Fanless Slim POS Terminal

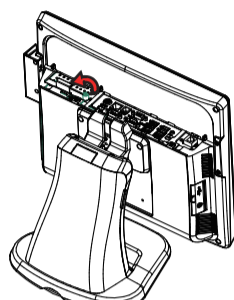
Easy Maintenance

HDD Maintenance

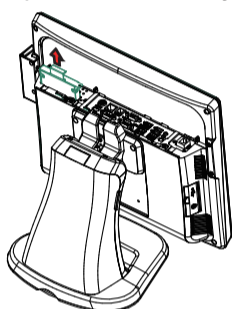
Step 1: Follow the red arrow to rotate and remove I/O cover.



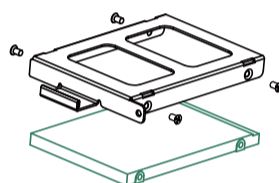
Step 2: Follow the red arrow to remove the screw.



Step 3: Follow the red arrow to pull out HDD Tray.

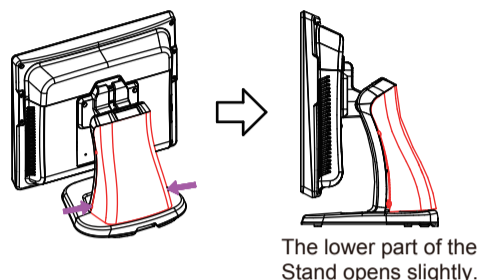


Step 4: Unassemble the HDD fixing screw and remove the HDD tray.

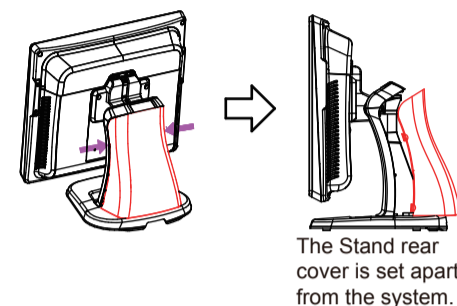


Arrangement of the Cable

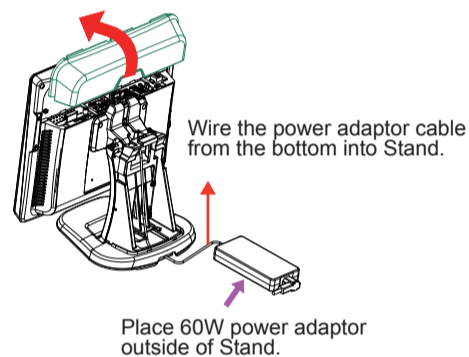
Step 1: Press on the lower part of Stand rear cover from both sides as shown:



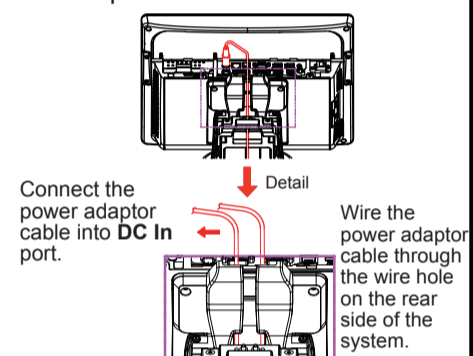
Step 2: Press on the upper part of Stand rear cover from both sides as below:



Step 3: Rotate to remove the cable cover, and then wire the power adaptor cable from the bottom into Stand.

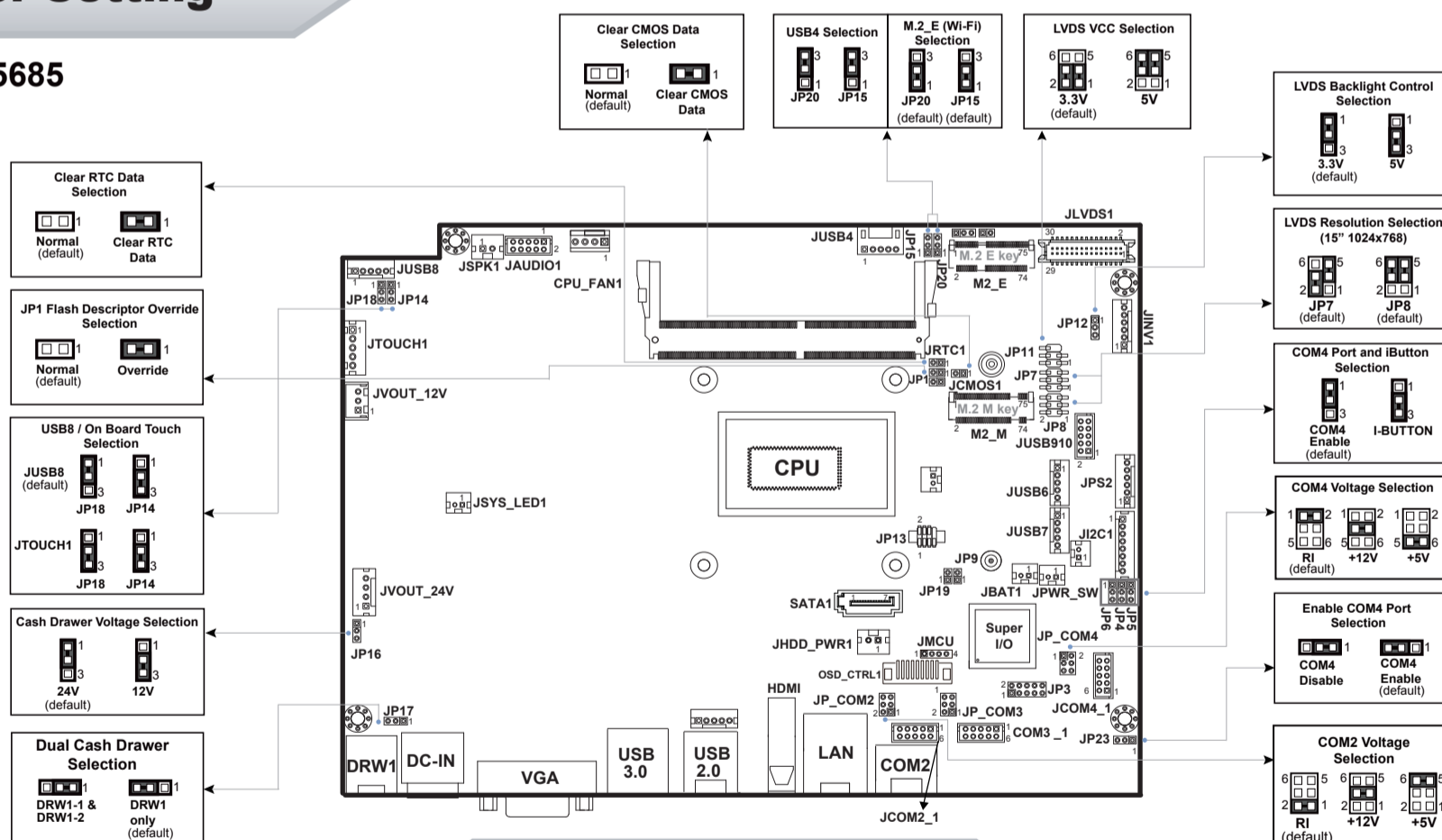


Step 4: Wire the power adaptor cable through the wire hole of Stand and plug the power adaptor connector into DC-IN port to complete.



Jumper Setting

M/B: PB-5685



Safety Precaution

The following messages are reminders for safety on how to protect your systems from damages and extend a long life of the system.

1. Check the Cable Voltage

- Make sure the range of operating voltage between AC 100V ~ 240V. Otherwise, the system could be damaged.

2. Environmental Conditions

- Place your PA-J580 on a sturdy, level surface. Be sure to allow enough space to have easy access around the system.
- Avoid extremely hot or cold place to install the system.
- Avoid exposure to sunlight for a long period of time or in an airtight space.
- Avoid the system from any heating device or using it outdoors in a cold winter day.
- Bear in mind that the operating ambient temperature is from 0 ~ 35°C (32 ~ 95°F).
- Avoid moving the system rapidly from a hot place to a cold place and vice versa because condensation may come from inside of the system.
- Place PA-J580 in strong vibration(s) may cause hard disk failure.
- Don't place the system close to any radio active device in case of signal interference.

3. Handling

- If the system isn't fully in DOS mode, adjust BIOS setting as the instruction:
Advanced Chipset Feature => Boot display => choose "LFP".

- Avoid putting heavy objects on top of the system.
- Don't turn the system upside down. This may cause the hard drive to malfunction.
- Don't allow foreign objects to fall into this product.
- If water or other liquid spills into this product, unplug the power cord immediately.

4. Good Care

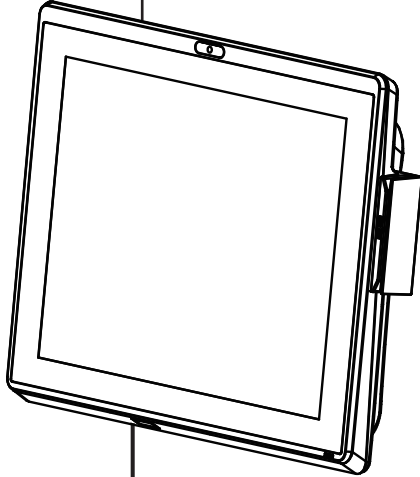
- When the outside of the case is stained, remove the stain with a neutral washing agent with a cloth.
- Never use strong agents such as benzene and thinner to clean the system.
- If heavy stains are present, moisten a cloth with diluted neutral washing agent or with alcohol and then wipe thoroughly with a dry cloth.
- If dust has accumulated on the outside, remove it by using a special made vacuum cleaner for computers.
- Don't contact the surface of capacitive touch before entering your operation system, or capacitive touch may have problems for electrostatics interface.
- Don't exchange the M/B battery by yourself or serious damage may incur.

CAUTION Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

WARNING Some internal parts of the system may have high electrical voltage. And therefore we strongly recommend that qualified engineers can open and disassemble the system. The LCD and Touchscreen are easily breakable, please handle them with extra care.

PA-J580

Quick Reference Guide



Ver. Q2

All Rights Reserved. Copyright 2021

Packing Checklist

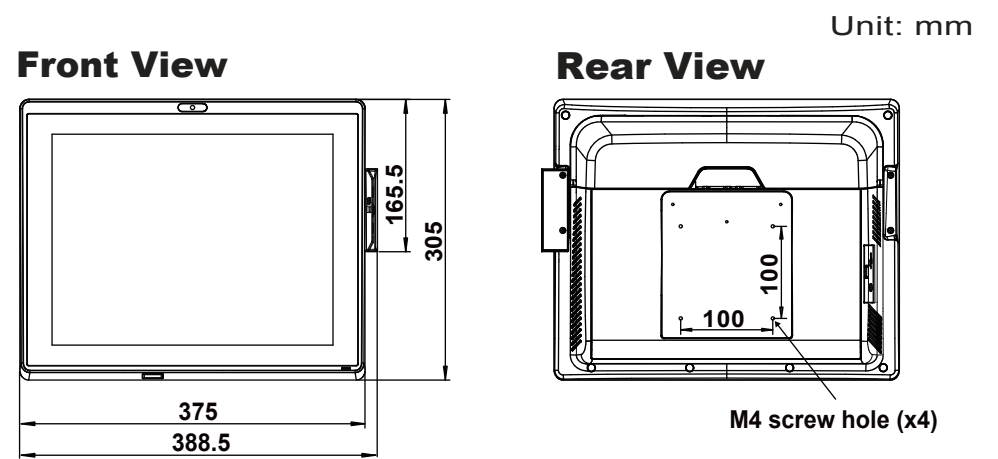
If you discover any item below was damaged or lost, please contact your vendor immediately.

- | | |
|--|-----|
| <input checked="" type="checkbox"/> PA-J580 | X 1 |
| <input checked="" type="checkbox"/> This Quick Reference Guide | X 1 |
| <input checked="" type="checkbox"/> Power Adaptor | X 1 |
| <input checked="" type="checkbox"/> AC Power Cord | X 1 |
| <input checked="" type="checkbox"/> Driver DVD | X 1 |
| <input type="checkbox"/> Option | X 1 |

Specifications

System	CPU Support	Intel® Core™ i5-7300U Intel® Core™ i3-7100U Intel® Pentium® 4415U Intel® Celeron® 3965U
	Memory	1 x DDR4 SO-DIMM (up to 16GB)
	Network	Gigabit 10/100/1000 Base-T Fast Ethernet
	Power Supply	60W for standard, 90W for Printer-Stand
	Audio	2W speaker
	System Weight	3.8kg
	Dimensions	375 x 305 x 59.2mm
	O.S. Support	Windows 10 IoT Enterprise
Storage	HDD	1 x 2.5" HDD or SSD
I/O Ports	USB	Rear: 2 + 2(option) x USB 2.0 / 2 x USB 3.0 Side: 1 x USB 2.0
	Power USB	(option) 1 x 24V power USB or 1 x 12V power USB
	Serial Ports	1 x RJ45, 1+1(option) x DB-9 (5V/12V selectable by jumper)
	LAN	1 x RJ45
	VGA	1 x DB15
	HDMI	1 x HDMI
	Audio	(option) 1 x Line Out, 1 x Mic In (3.5 mm phone jack)
	Cash Drawer	1 x RJ11 (+12V or +24V selectable)
Add-ons	DC In	1 x 4-pin DC power jack / 24V DC in
	Customer Display	VFD kit, 20 columns and 2 lines, each column is 5 x 7 dots
	MSR & iButton	ISO I,II,III; JIS II and support information key
	RFID	ISO14443A read/write; ISO18092 read only
	Fingerprint	8-bit grayscale reader
	Camera	2.0M pixel CMOS camera module
	Barcode Scanner	1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11 2D: PDF417, QR Code, Micro QR, Data Matrix
	LCD	15" TFT LCD
Display	Brightness	300 cd/m ²
	Max. Resolution	1024 x 768
	Touchscreen	Bezel-free 5-wire analog resistive or projected capacitive
	Tilt Angle	0~50 degree
Environment	EMC & Safety	CE / FCC
	Operating Temp.	0°C ~ 35°C (32°F ~95°F)
	Storage Temp.	-20°C ~ 60°C (-4°F ~140°F)
	Humidity	20% ~ 90%

System View



Rear I/O

