PROTECH SYSTEMS
It's the right choice

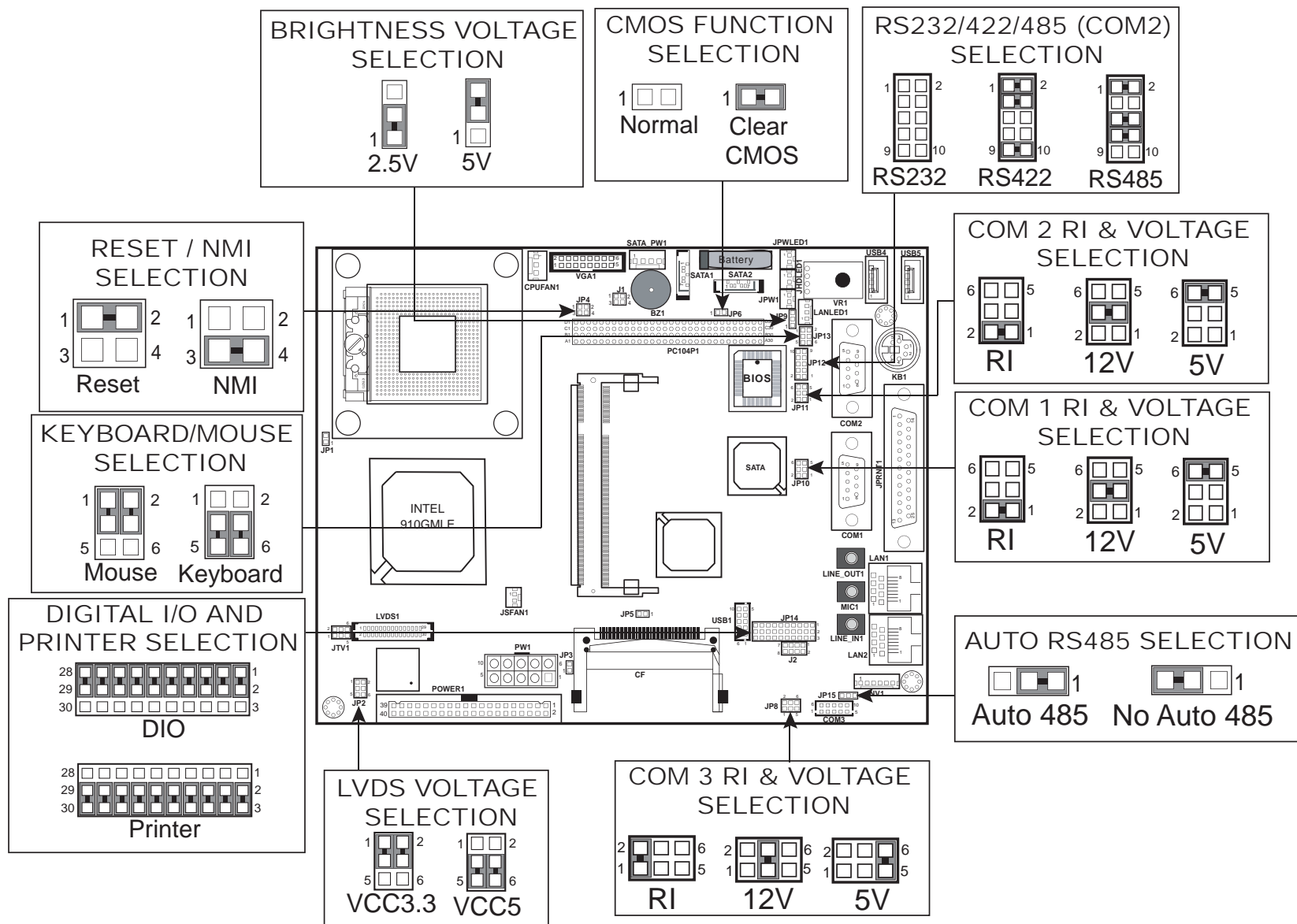RoHS Compliant

PPC-7528F
PPC-7520F
PPC-7520
Quick Reference Guide
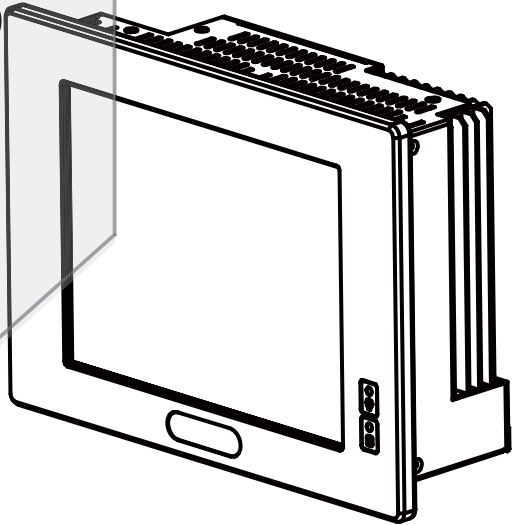
Manual ver Q1

Specification

System

CPU Type	Intel® Celeron® M ULV 1.0GHz on board
Memory Support	1 x 200pin DDR2 SO-DIMM, 512MB DDR2 SO-DIMM (up to 2GB)
Front Bezel	Aluminum
IP65/NEMA4	Yes
Power Supply	DC 24V in 80W power supply
Dimension (WxHxD)	PPC-7528F: 247 x 185 x 82 mm (9.73" x 7.3" x 3.23")
	PPC-7520F/PPC-7520: 280 x 232 x 80 mm (11.02" x 9.13" x 3.15")
System Weight	PPC-7528F: 5kg
	PPC-7520F: 6.5kg
	PPC-7520: 6kg
Certificate	CE/FCC/ UL

I/O Ports

USB	2 x USB2.0
KB/Mouse	1 x PS/2 port (KB/MS for Y-cable)
Audio	Line-in/ Line-out/ Mic-in (Realtek ALC888)
Parallel	1 x parallel port (SPP/EPP/ECP)
Serial Port	2 x COMs, COM1 supports +5V or +12V,
	COM2 for RS232/422/485 selectable,
	All COM ports support +5V/+12V selectable
Digital I/O	4 in/ 4 out (share with parallel port)
LAN	2 x LAN (1 x 10/100 Mbps (Intel® 82562ET), 1 x 10/100/1000 Mbps
	(Intel® 82573V))
VGA	N/A
Brightness Control	VR on rear panel
Drive Bay	1 x 2.5" SATA HDD, 1 x IDE CF slot on board
Expansion Slot	N/A

Display

LCD	PPC-7520F/PPC-7520: LG 10.4" SVGA TFT LCD
	PPC-7528F: AUO 8.4" SVGA TFT LCD
Touch Screen	5W Analog resistive (USB interface)

Environment

Temperature:	Operation Temperature 0°~40°C(32°~104°F),
	Storage Temperature -20°~60°C(-4°~140°F)
Humidity:	Operation Humidity 20~90%

Jumper Setting

BRIGHTNESS VOLTAGE SELECTION
2.5V   5V

CMOS FUNCTION SELECTION
Normal   Clear CMOS

RS232/422/485 (COM2) SELECTION
RS232   RS422   RS485

RESET / NMI SELECTION
Reset   NMI

KEYBOARD/MOUSE SELECTION
Mouse   Keyboard

DIGITAL I/O AND PRINTER SELECTION
DIO
Printer

LVDS VOLTAGE SELECTION
VCC3.3   VCC5

COM 3 RI & VOLTAGE SELECTION
RI   12V   5V

COM 2 RI & VOLTAGE SELECTION
RI   12V   5V

COM 1 RI & VOLTAGE SELECTION
RI   12V   5V

AUTO RS485 SELECTION
Auto 485   No Auto 485
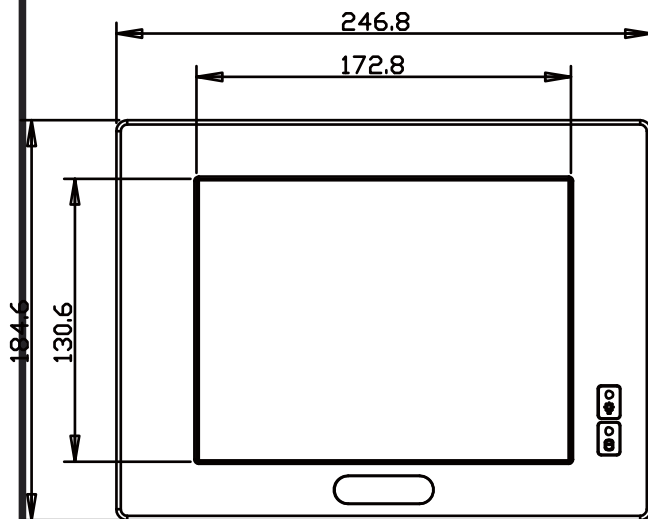
PPC-7528F/PPC-7520F/PPC-7520

Fanless and Low Power 8.4"/ 10.4" Panel PC

System View

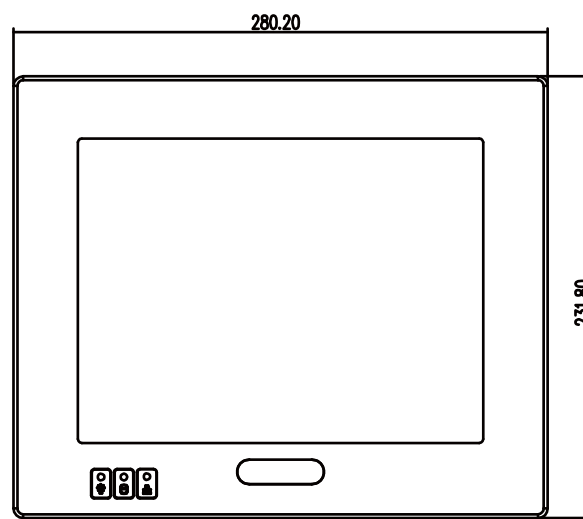* When insert this computer into any machine or wall, user should left at lease 5cm space for thermal issue.
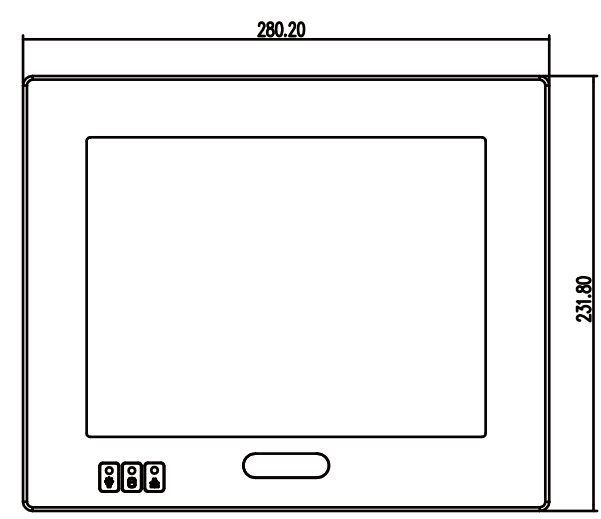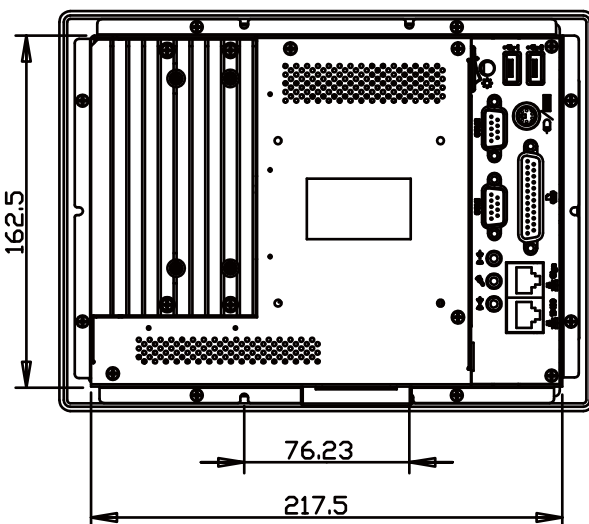
PPC-7528F

Front View

246.8
172.8
130.6
184.6

Rear View

162.5
76.23
217.5

PPC-7520F

Front View

280.20
231.80

Rear View

42.23
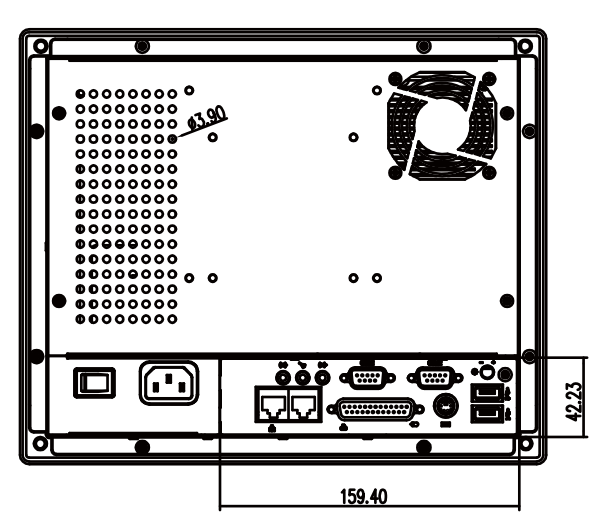159.60

PPC-7520

Front View

280.20
231.80

Rear View

42.23
159.40
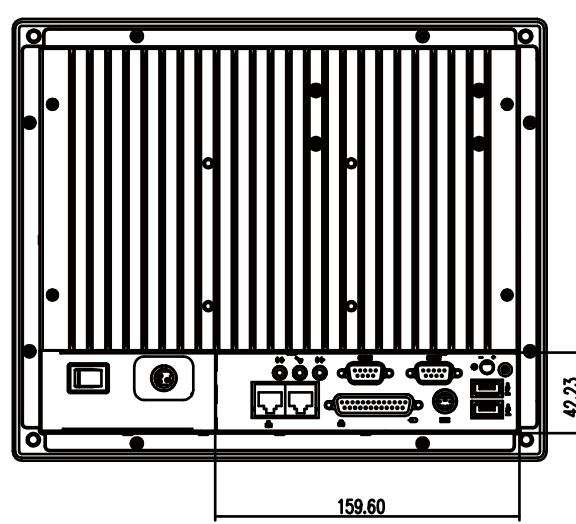
Safety & Notification

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

1. Check the Cable Voltage
   * Make sure the range of operating voltage that is between DC 16V and DC 30V. Otherwise, the system could be damaged.
2. Environmental Conditions
   * Place your PPC-7528F/PPC-7520F/PPC-7520 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 a airtight space. Also, avoid the system from any heating device or use PPC-7528F/PPC-7520F/PPC-7520 when it's been left outdoors in a cold winter day.
   * Bear in mind that the operating ambient temperature is from 0 °C up to +40 °C .
   * 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 PPC-7528F/PPC-7520F/PPC-7520 in strong vibrations may cause hard disk failure.
   * Do not place the system too close to any radio active device. Radio-active device may cause signal intereference.
3. Handling
   * Avoid putting heavy objects on top of the system.
   * Do not turn the system upside down. This may cause the floppy drive and hard drive to mal-function.
   * Do not remove the diskette from the floppy drive while the light is still on. The floppy drive can be damaged if you do so.
   * 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 neutral washing agent with a dry 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 been accumulated on the outside, remove it by using a special made vacuum cleaner for computers.
5. Caution
   * If the server has been running, any installed processor(s) and heat sink(s) may be hot. Unless you are adding or removing a hot-plug component, allow the system to cool before opening the covers. To avoid the possibility of coming into contact with hot component(s) during a hot-plug installation, be careful when removing or installing the hot-plug component(s).