PROTECH SYSTEMS
It's the right choice

SP-6265

Quick Reference Guide
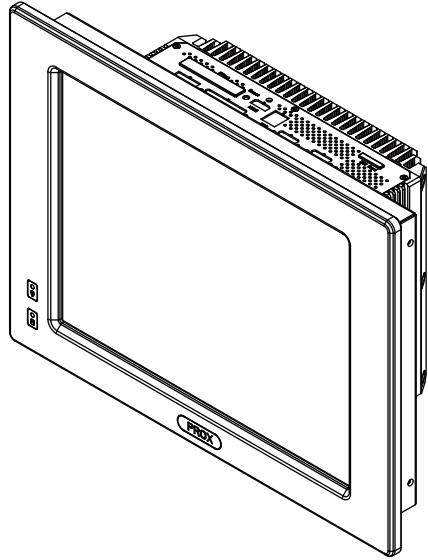
Ver. Q1

Specification

System

CPU Support	6th/7th Gen. Intel® Core™ i7/i5/i3 & Pentium/Celeron® LGA1151 socket processor (CPU TDP max. up to 35W)
Chipset	Intel® Q170/ H110
Memory Support	2 x DDR4 2133MHz SO-DIMM up to 32 GB
Drive Bay	2 x 2.5" SATAIII HDD/SSD (support RAID 0/1 in Q170 SKU only)
Audio	1 x Line-in / 1 x Line-out / 1 x Mic-in
Expansion Slots	1 x Full-sized mini-PCIe (mini PCIe, USB and SIM signals)
	1 x Half-sized mini-PCIe (mini PCIe and USB signals)
	1 x SIM card slot /1 x CFast slot
Weight / Dimension	10.8 kg / 408mm(W) x 308mm(H) x 132.6mm(D)
Power Input	DC in 9~36V
Certificate	FCC/CE

I/O Ports (Top side)

SIM card / CFast slot	1 x SIM card slot / 1x CFast slot
Reset / Antenna	1 x reset pin / 3 x antenna hole

I/O Ports (Bottom side)

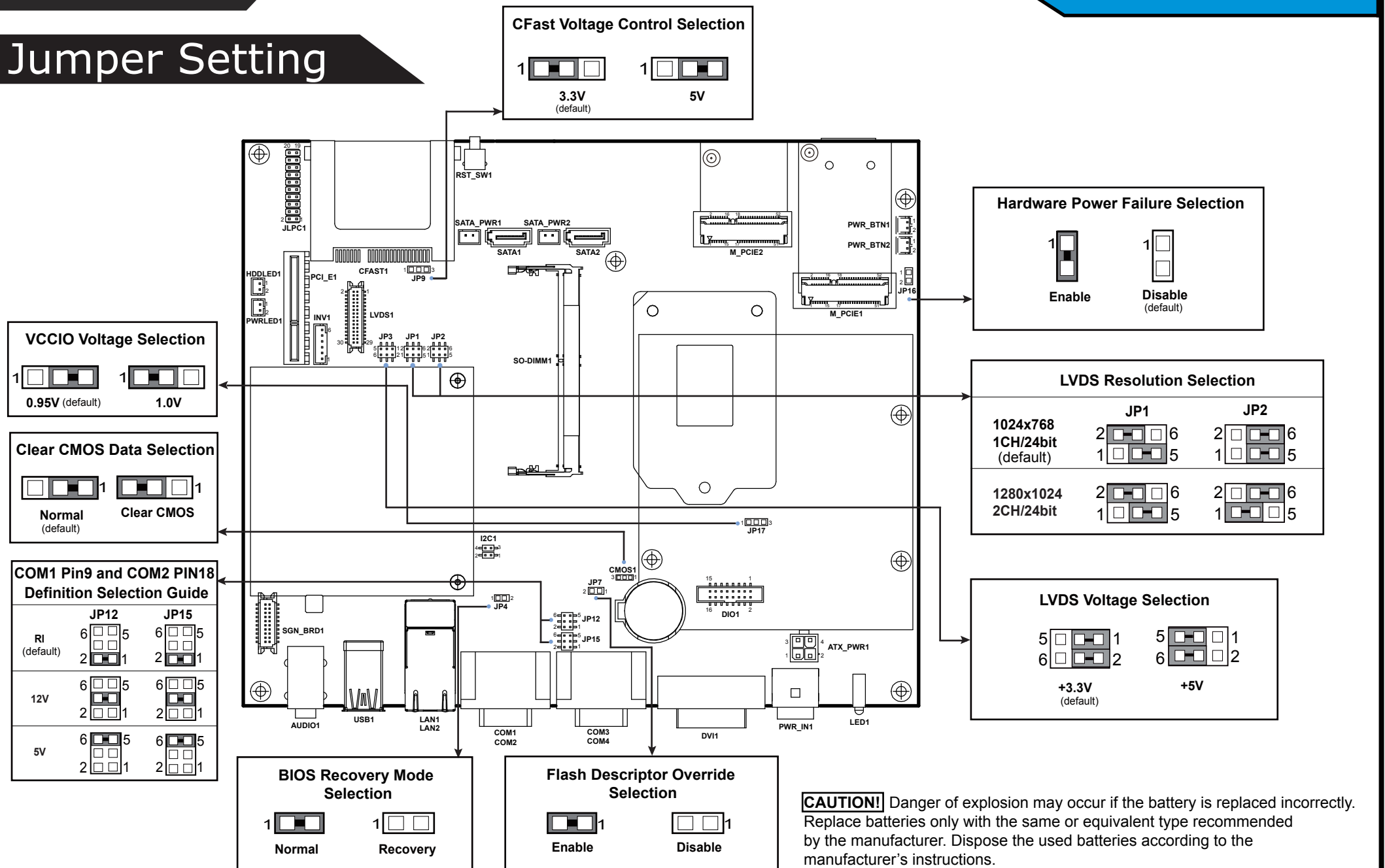|	
Display	1 x DVI-I (DVI-D+VGA)
USB	4 x USB 3.0
Serial Port	COM3/4 for RS232
	COM1/2 for RS232/422/485 (selectable by BIOS)
	[COM1/2 for +5V/+12V/RI selectable by jumper]
LAN	2 x GbE LAN, Wake-On-LAN, PXE
	LAN 1: Intel® PHY I219 LM (10/100/1000 Mbps)
	LAN 2: Intel® LAN I210 AT (10/100/1000 Mbps)
Digital I/O Port	8 in / 8 out, DSUB-25 type or 16-pin terminal block (optional)
I2C	1 x I2C port
Audio	1 x Line-in / 1 x Line-out / 1 x Mic-in
Power Input	DC in 9~36V (DIN type 4-pin connector or 3-pin terminal block)
Power On/Off	1 x power button, 1 x remote switch

Display

LCD	15" TFT LCD(LED) Resolution XGA 1024 x768
Touch Screen	5-wire resistive touch screen (USB interface)

Environment

Operating Temp. (with airflow)	HDD: 0°C ~ 35°C (32°F ~ 95°F)
	SSD: 0°C ~ 45°C (32°F ~ 113°F) (with PoE 0°C ~ 40°C (32°F -104°F))
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	10% ~ 90%

Jumper Setting

CFast Voltage Control Selection
3.3V (default) — 5V

Hardware Power Failure Selection
Enable — Disable (default)

VCCIO Voltage Selection
0.95V (default) — 1.0V

Clear CMOS Data Selection
Normal (default) — Clear CMOS

LVDS Resolution Selection

	JP1	JP2
1024x768 1CH/24bit (default)	2 6 / 1 5	2 6 / 1 5
1280x1024 2CH/24bit	2 6 / 1 5	2 6 / 1 5

COM1 Pin9 and COM2 PIN18 Definition Selection Guide

	JP12	JP15
RI (default)	6 5 / 2 1	6 5 / 2 1
12V	6 5 / 2 1	6 5 / 2 1
5V	6 5 / 2 1	6 5 / 2 1

LVDS Voltage Selection
+3.3V (default) — +5V

BIOS Recovery Mode Selection
Normal — Recovery

Flash Descriptor Override Selection
Enable — Disable

CAUTION! Danger of explosion may occur if the battery is replaced incorrectly. Replace batteries only with the same or equivalent type recommended by the manufacturer. Dispose the used batteries according to the manufacturer's instructions.
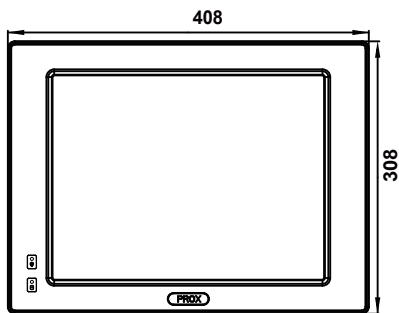
SP-6265
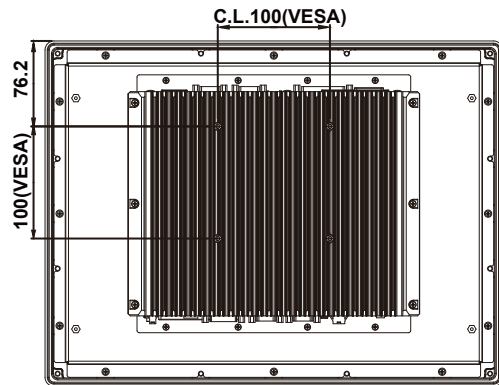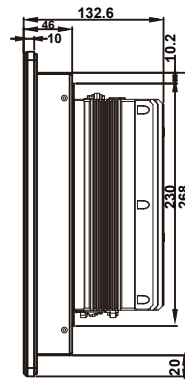# 15" Fanless and High Performance Panel PC
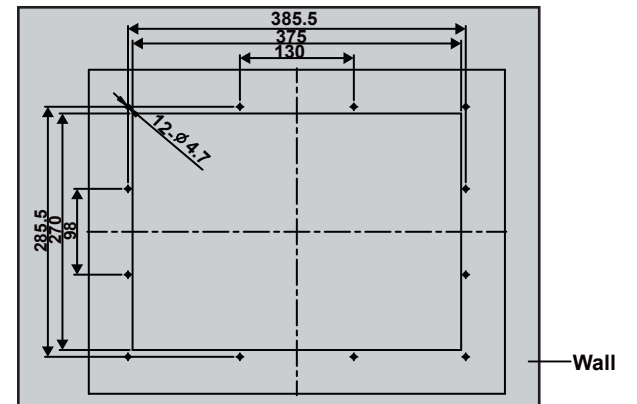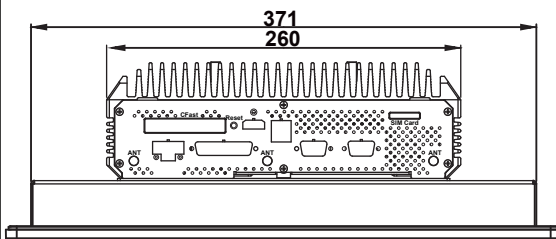
System Overview

(Unit: mm)

Front View

408

308

Rear View

C.L.100(VESA)

76.2

100(VESA)

Side View

132.6

48
10

10.2

230
268

20

Wall Mount Cut-out Dimensions

385.5
375
130

12-ø4.7

285.5
270
98

Wall

Top View

371
260

Installing 1st Memory and CPU

M3 Screw*6

HEATSINK TOP COVER

DRAM

CPU
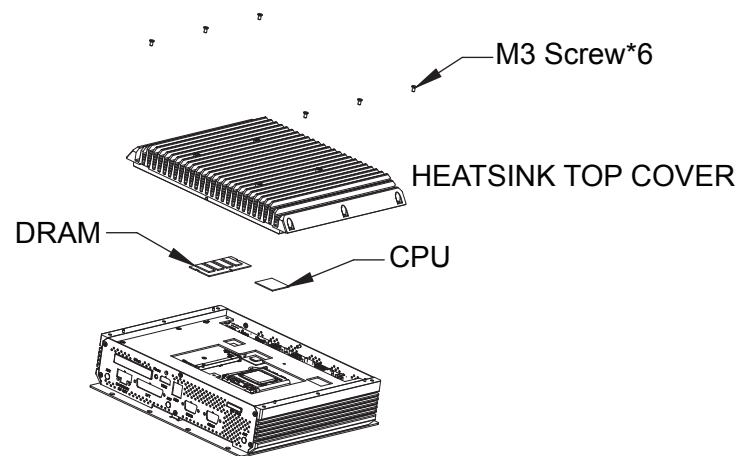
Installing 2nd Memory and SSD

M3 screw *6

Bottom Cover

SSD *2

M3 screw *4

SSD cable *2

SSD Bracket

SSD screw *8

DRAM

Bottom I/O View

Remote Switch   DC IN   DVI-I   COM3   COM1   LAN   USB 3.0   MIC-in

Power Button

COM4   COM2

Line-out

DIO   POE ON   I2C   Line-in

Power Button

Remote Switch   DVI-I   COM3   COM1   LAN   USB 3.0   MIC-in

DC IN 9~36V   DIO   COM4   COM2

Line-out

POE ON   I2C   Line-in
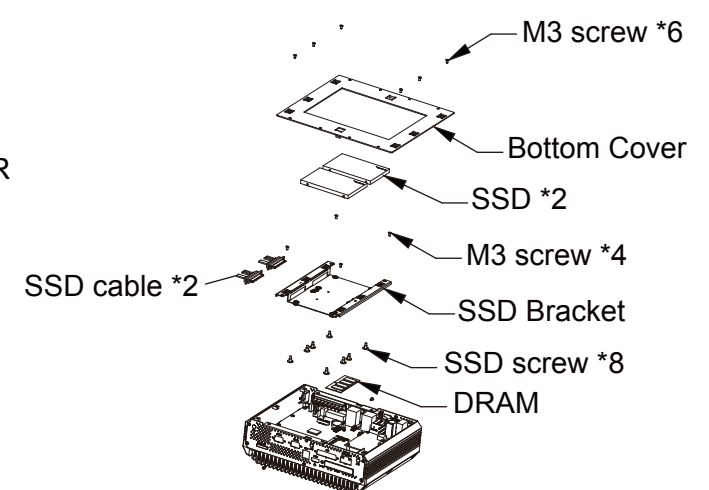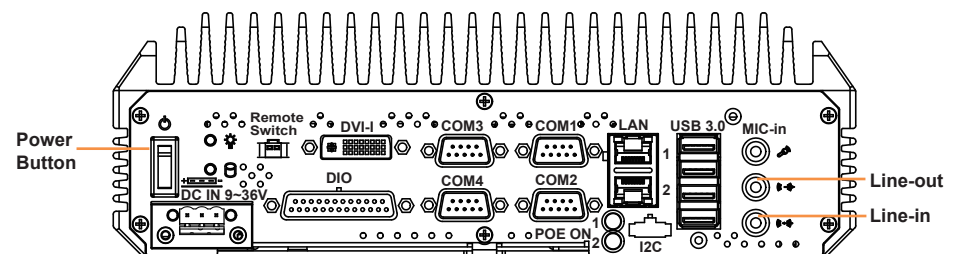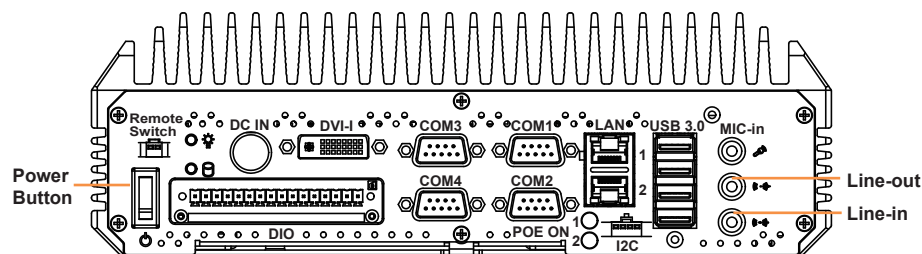
Safety Precaution

The following messages are safety reminders on protecting your system from damages and extend a long life of the system.

1. Check the Cable Voltage
   - The range of operating voltage should be between DC 9V and 36V. Otherwise, the system could be damaged.
2. Environmental Conditions
   - Place your SP-6265 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 using SP-6265 when it's been left outdoors in a cold winter day.
   - Note that the operating ambient temperature is 0~35°C for HDD & 0~45°C for SSD.
   - Avoid moving the system rapidly from a hot place to a cold one and vice versa because condensation may come from inside of the system.
   - Place SP-6265 in strong vibrations may cause hard disk failure.
   - Do not place the system close to any radio active device in case of signal intereference.

3. Handling
   - Avoid putting heavy objects on top of the system.
   - Do not turn the system upside down. This may cause the hard drive to mal-function.
   - If wate 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 or thinner to clean the system.
   - If heavy stains are present, moisten a cloth with diluted neutral washing agent or alcohol, and then wipe thoroughly with a dry cloth.
   - If dust has been accumulated on the outside, clean it with a special vacuum cleaner made for computers.

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 per the manufacturer's instructions.

WARNING! Some internal parts of the system may have high electrical voltage. Therefore we strongly recommend qualified engineers open and disassemble the system. The LCD and touch screen are easily breakable, please handle them with extra care.