EL1092

Quick Reference Guide

Ver. Q1

All Rights Reserved. Copyright 2017

Packing Checklist

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

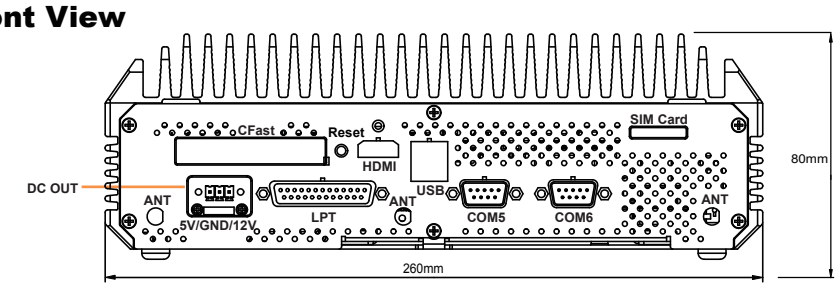
☑ EL1092	x1
☑ This Quick Reference Guide	x1
☑ Driver/ Manual DVD	x1

Specifications

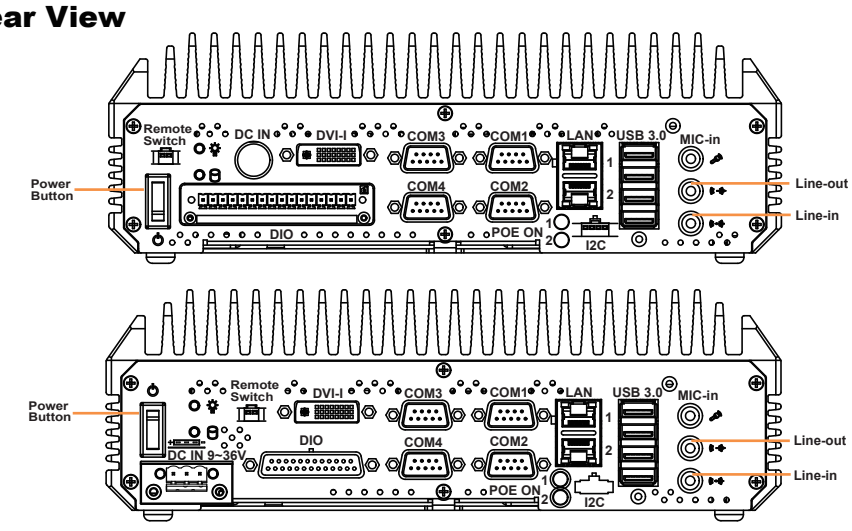
System	
CPU Support	6th gen Intel® Core™ i7/i5/i3 & Pentium/Celeron® LGA1151 socket processor (CPU TDP max. up to 35W)
Chipset	Intel® Q170/ H110
Memory Support	2 x DDR4 2133MHz SO-DIMM up to 32 GB
Drive Bay	2 x 2.5” SATAIII HDD/SSD (support RAID 0/1 in Q170 SKU only)
Audio	1 x Line-in / 1 x Line-out / 1 x MIC
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	4.5 kg / 260mm(W) x 80mm(H) x 200mm(D)
Power Input	DC in 9~36V
Certificate	FCC/CE
I/O Ports (Front side)	
Display	1 x HDMI
USB	2 x USB 3.0 (Q170), 2 x USB 2.0 (H110)
Serial Port	COM 5/6 for RS232 (optional)
Parallel Port	1 x LPT port (optional)
SIM card / CFast slot	1 x SIM card slot / 1x CFast slot
Power Output	1 x 3-pin terminal block for DC-out 5V/12V (1A max)
I/O Ports (Rear 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 219 LM (10/100/1000 Mbps)
	LAN 2: Intel® LAN 210 AT (10/100/1000 Mbps)
Digital I/O Port	8 in / 8 out, DSUB-25 type or 16-pin terminal block (optional)
Audio	1 x Line-in / 1 x Line-out / 1 x MIC
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
Environment	
Operating Temp.	HDD: 0°C ~ 40°C (32°F ~ 104°F)
(with airflow)	SSD: 0°C ~ 50°C (32°F ~ 112°F)
Storage Temp.	-20°C ~ 80°C (-4°F ~ 176°F)
Humidity	20% ~ 90%

System View

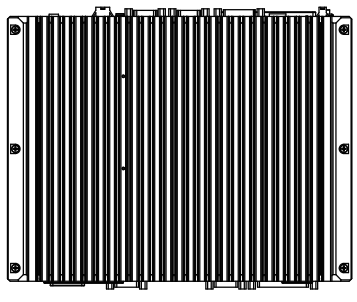
Front View



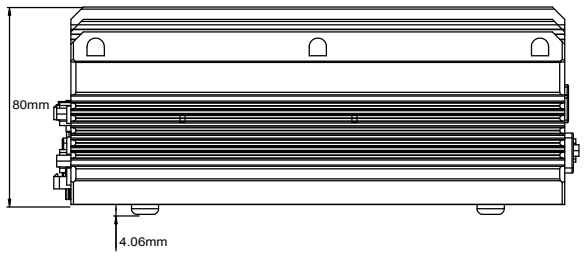
Rear View



Top View



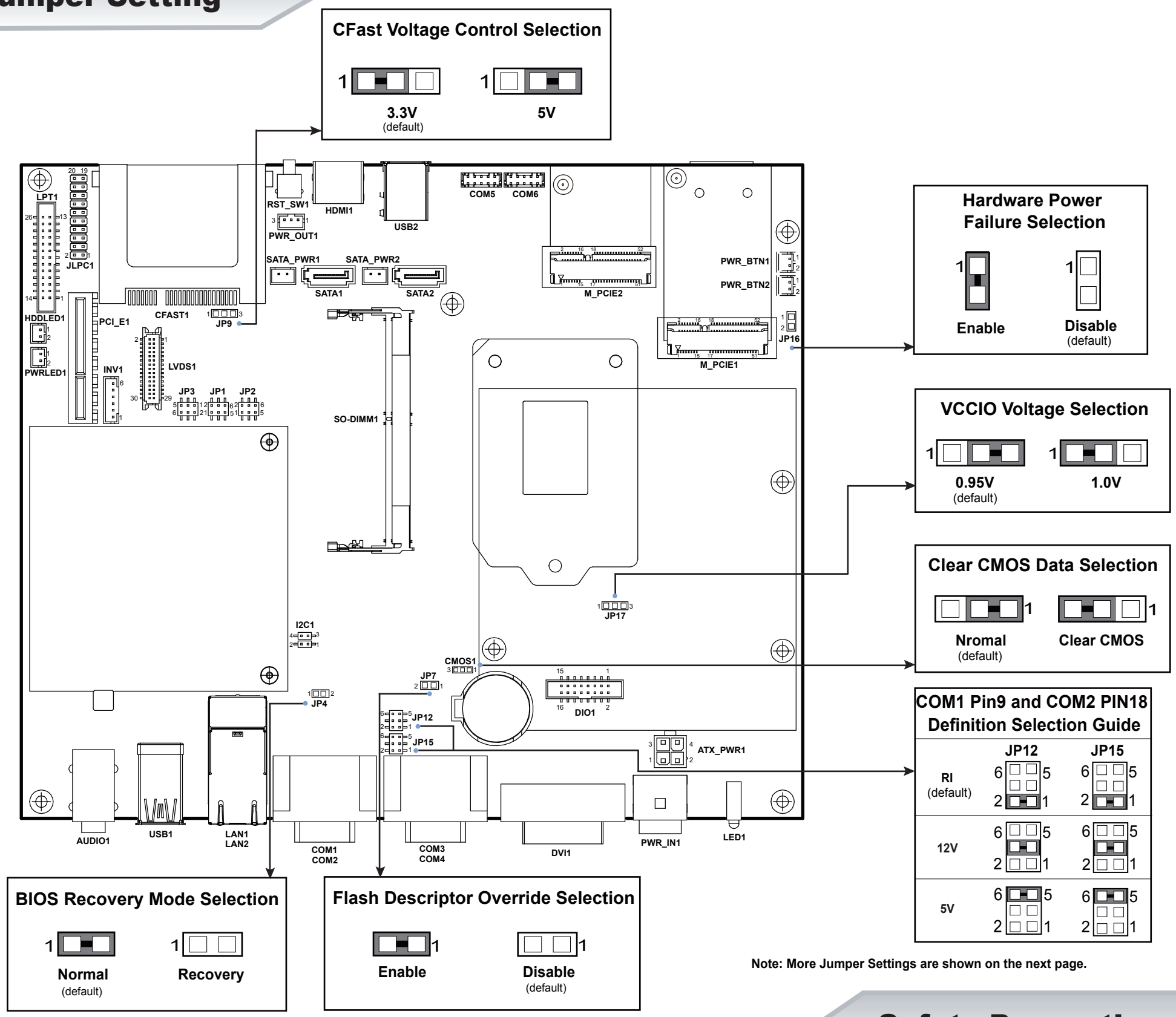
Side View



EL1092

6th / 7th Gen. Intel ® Core ™ Fanless and High Performance Embedded PC

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

Nromal (default)	Clear CMOS

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

BIOS Recovery Mode Selection

Normal (default)	Recovery

Flash Descriptor Override Selection

Enable	Disable (default)

Note: More Jumper Settings are shown on the next page.

Safety Precaution

The following messages are safety reminders on how to protect your system from damages, and thus help you extend the life cycle of the system.

1. Check the Line Voltage
   - The operating voltage for the power supply should cover the range of 9V~36V DC; otherwise, the system may be damaged.
2. Environmental Conditions
   - Place your device on a sturdy, level surface. Be sure to allow enough room on each side to have easy access.
   - Avoid moving the system rapidly from a hot place to a cold place or vice versa because condensation may come from inside of the system.
   - Place the PC against strong vibrations, which may cause hard disk failure.
3. Handling
   - Do not turn the system upside down. This may cause the hard drive to mal-function.
   - Do not 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 neutral washing agent with a dry cloth.
   - If dust has been accumulated on the outside, remove it by using a special made vacuum cleaner for computer.

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 accordingto 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.

All Rights Reserved. Copyright 2017