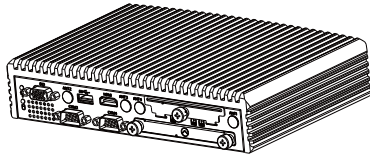


EL1093

Quick Reference Guide



Ver. Q1

Packing Checklist

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

- | | | |
|-------------------------------------|-------------------------------|----|
| <input checked="" type="checkbox"/> | EL1093 | x1 |
| <input checked="" type="checkbox"/> | This Quick Reference Guide | x1 |
| <input checked="" type="checkbox"/> | Driver/ Manual DVD | x1 |
| <input checked="" type="checkbox"/> | Terminal Block 2Pin Connector | x1 |

Specifications

System

CPU Support	Intel® Celeron® N3350: 6w, 2C, 2.4Ghz Intel® Atom™ x7 E3950: 12w, 4C, 2.0Ghz
Memory Support	1 x DDR3L 1600/1867 SO-DIMM socket, memory up to 8 GB
Drive Bay	1 x 2.5 inch SATAIII HDD or SSD drive space
Power Input	DC in 9~36V
Operating System	Windows 10 IoT Enterprise LTSB 2016 64bit / Ubuntu 16.04 LTS
Expansion Slots	1 x Full-sized mini-PCIe(mSATA or 3G/4G card with USB 2.0 signal) 1 x Full-sized mini-PCIe(PCIe or 3G/4G card with USB 2.0 signal) 1 x SD slot / 2 x SIM slot
Weight / Dimension	2 kg / 217.5mm(W) x 45mm(H) x 140.6mm(D)
Certificate	FCC/CE

I/O Ports (Front side)

Display	1 x HDMI (up to 4K)
USB	1 x USB 3.0
Serial Port	COM 3/4 for RS232
LED	1 x Power LED, 1 x HDD LED
SIM card / SD card	2 x SIM card slot / 1 x SD slot
Antenna Hole	4 x antenna holes
Drive Bay	1 x 2.5 inch SATAIII HDD or SSD drive space
Digital I/O	4 x in / 4 x out

I/O Ports (Rear side)

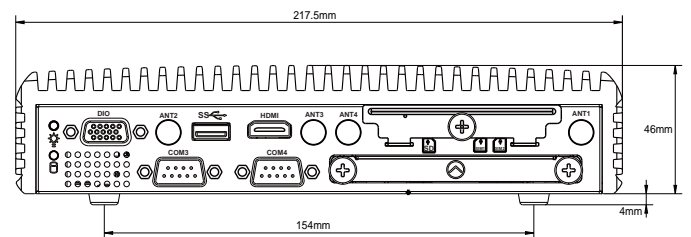
Display	1 x HDMI (up to 4K) + DVI-D(up to 1080p)
USB	3 x USB 3.0
Serial Port	COM1/2 for RS232/422/485 selectable by BIOS, R1/5V/12V selectable by jumper
LAN	2 x LANs with PoE (IEEE 802.3af) as option, Wake-On-LAN, PXE LAN 1: Intel® I210IT / LAN 2 : Intel® I210IT
Audio	1 x Line-out / 1 x MIC-In
Power Input	2 pin DC in terminal block, supporting 9~36V DC-in
Power On/Off	1 x power button, 1 x remote switch
I ² C / LED	1 x I ² C port / 2 x PoE LED

Environment

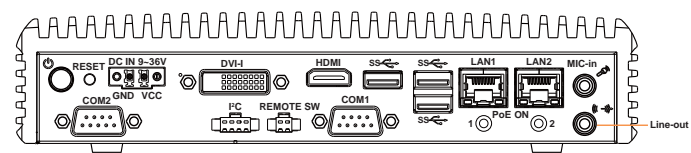
Operating Temp. (with airflow)	HDD: 0°C ~ 40°C (32°F ~ 104°F) SSD: 0°C ~ 50°C (32°F ~ 112°F) Wide Range Temp. : 0°C ~ 50°C (w/ N3350) Wide Range Temp. : -20°C ~ 50°C (w/ E3950)
Storage Temp.	-40°C ~ 80°C (-40°F ~ 176°F)
Humidity	20% ~ 90%

System View

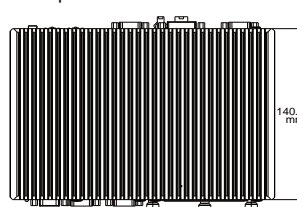
Front View



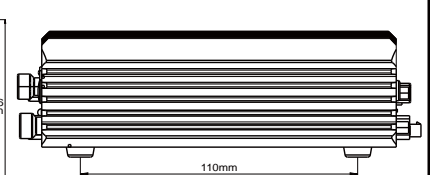
Rear View



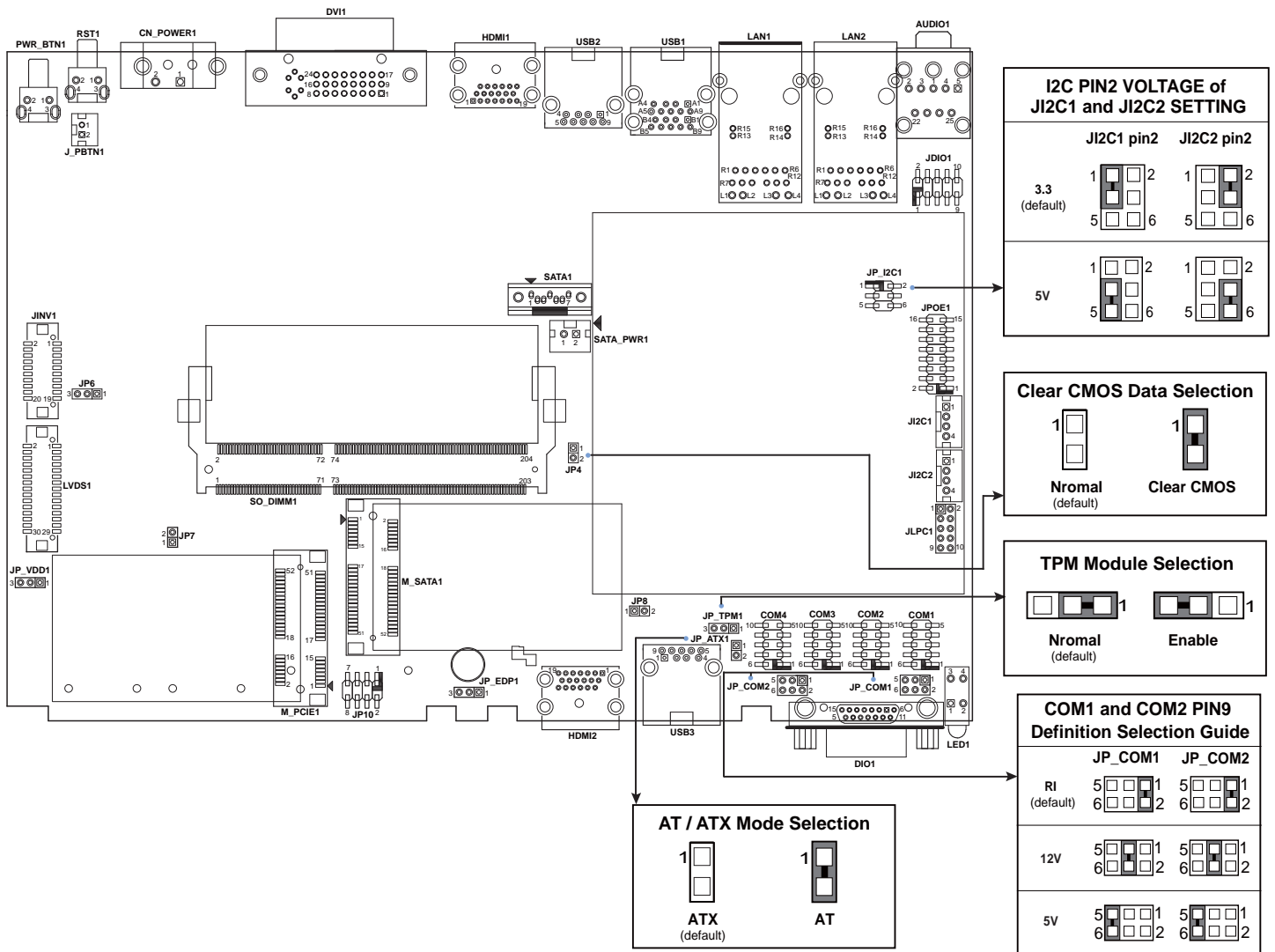
Top View



Side View



Jumper Setting



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 device 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 according to 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.