PROX
PROTECH Group

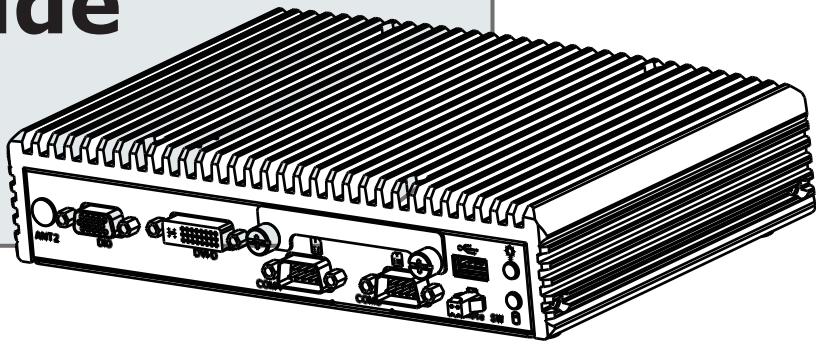# SE-8124

Quick Reference Guide

Ver. Q2

Packing Checklist

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

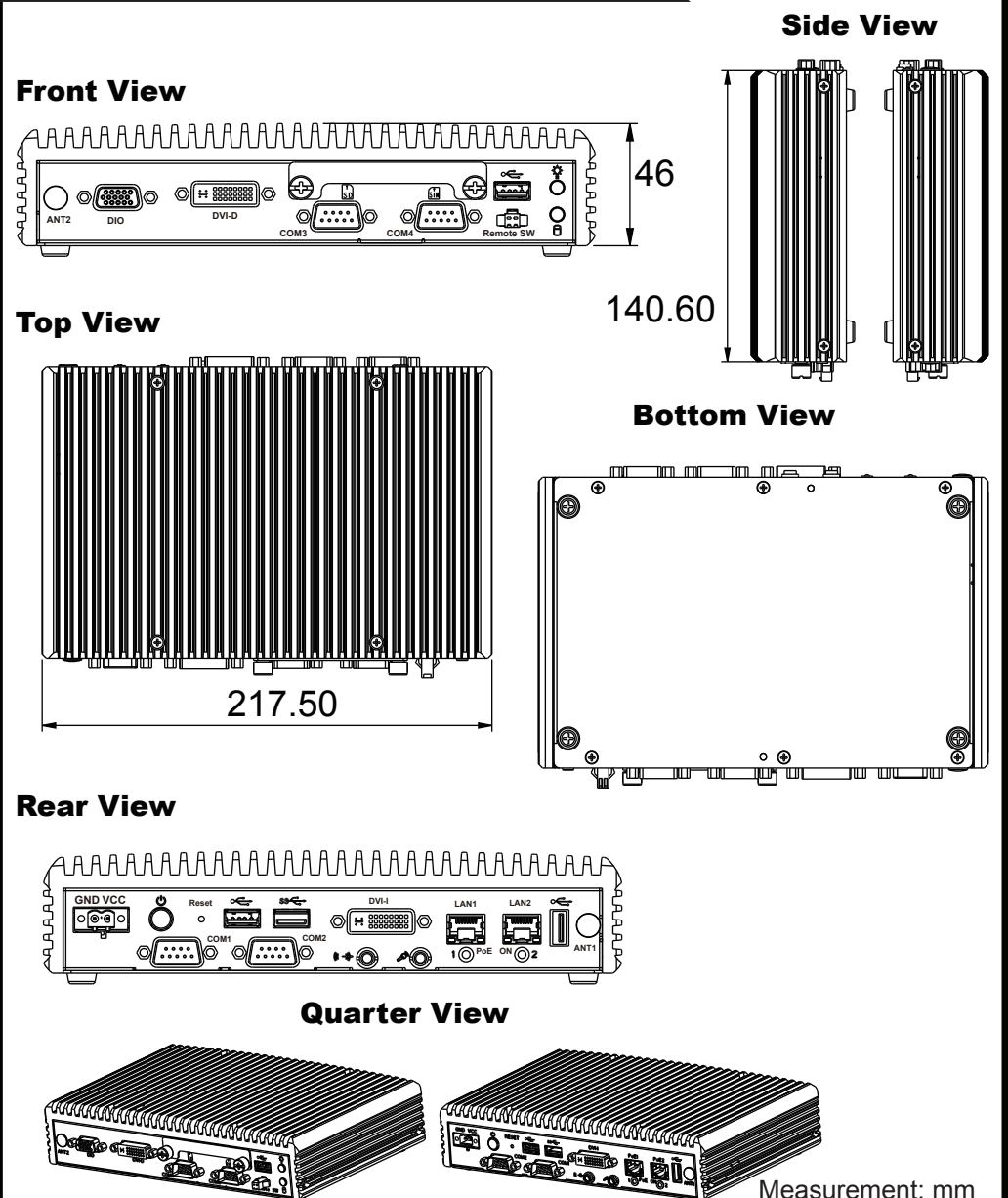| ☑ | SE-8124 | x 1 |
☑	Driver/Manual DV	x 1
☑	This Quick Reference Guide	x 1
☑	DVI to D-Sub Connector	x 1
☑	Mini Jumper (2 mm)	x 6
☑	Power Cable (DC-in 140 mm)	x 1

Specifications

System

CPU Support	Intel® J1900/E3845 CPU
Chipset	Intel® SOC
Memory Support	1 x DDR3L SO-DIMM Socket (up to 8 GB)
Drive Bay	1 x 2.5 inch SATA HDD or SSD driver space
Power Requirement	12~24V DC-in
Watchdog	1~255s Watchdog
Expansion Slot	1 x full-sized miniPCIe (PCIe+USB+external SIM card), 1 x half-sized miniPCIe (PCIe+USB)
System Weight	2.5 kg
Dimension (WxHxD)	217.5 x 46 x 148 mm (8.56" x 1.77" x 5.83")
Certificate	FCC/CE
OS	Win7/ Win8.1/ WES7/ WE 8.1 Industry Pro

I/O Ports

Serial Port	COM3/4 for RS232 (front), COM1/2 for +5V/+12V/RI selectable by jumper,RS232/422/485 selectable under BIOS
Digital I/O	4-in/4-out (front)
USB	1 x USB 2.0 port (front), 2 x USB 2.0, 1 x USB 3.0 (rear)
SIM card	1 x SIM card slot with cover
DVI	1 x DVI-D (front), 1 x DVI-I (rear)
SD	1 x SD Card with cover
Audio	Realtek high defenition audio, 1x Line Out & 1x Mic In audio jack by pin header
LAN	2 x RJ45 connector with PoE support Wake on LAN/ PXE
Power ON/OFF	1x power button switch (rear), 1x 2pin connector for remote power button (front)
Reset	1x reset (rear)

Environment

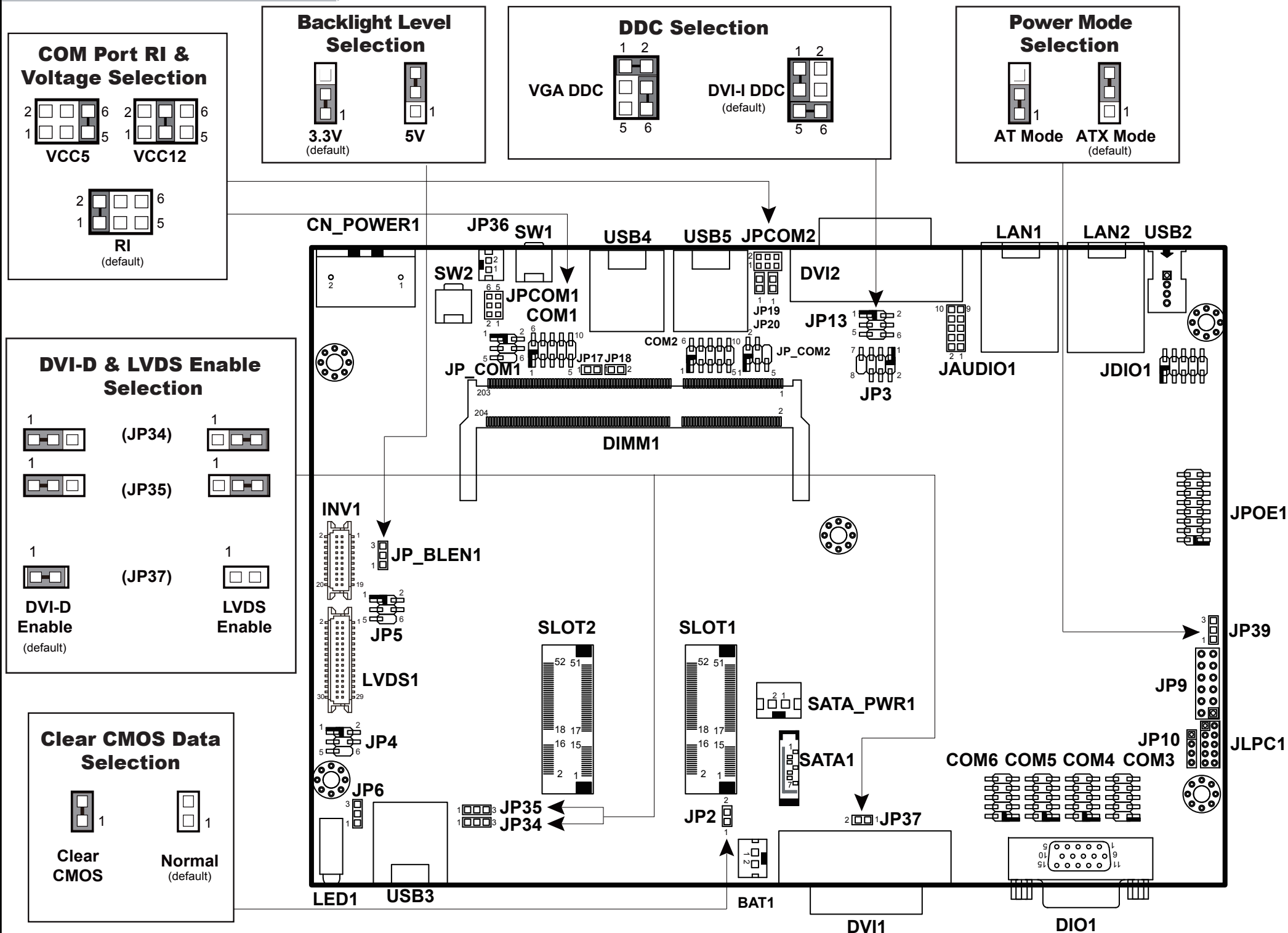|	
Operating Temp. (with air)	0~45°C (32~113°F) w/ ST SSD, 0~40°C (32~104°F) w/ HDD. -30~60°C(-22~140°F) w/ wide temp. peripherals w/o PoE (w/o Audio) (E3845 only) -30~55°C(-22~131°F) w/ wide temp. peripherals w/ PoE (w/o Audio) (E3845 only)
Storage Temp.	-30 ~ 80°C (-22~ 176°F)
Humidity	Operating: 10 ~ 90%, Storage: 10~95%RH

System View

Side View

Front View

46

140.60

Top View

217.50

Bottom View

Rear View

Quarter View

Measurement: mm

SE-8124
Slim and Fanless Intel® E3845 / J1900 processor Embedded PC

Jumper Setting

COM Port RI & Voltage Selection

VCC5   VCC12

RI
(default)

Backlight Level Selection

3.3V (default)   5V

DDC Selection

VGA DDC   DVI-I DDC (default)

Power Mode Selection

AT Mode   ATX Mode (default)

DVI-D & LVDS Enable Selection

(JP34)

(JP35)

(JP37)

DVI-D Enable (default)   LVDS Enable

Clear CMOS Data Selection

Clear CMOS   Normal (default)

CN_POWER1   JP36   SW1   USB4   USB5   JPCOM2   LAN1   LAN2   USB2

SW2   DVI2

JPCOM1
COM1   JP19
JP20   JP13

COM2   JP_COM2   JAUDIO1   JDIO1

JP_COM1   JP17 JP18   JP3

DIMM1

INV1   JP_BLEN1   JPOE1

JP5   JP39

LVDS1   SLOT2   SLOT1   JP9

SATA_PWR1   JP10   JLPC1

JP4   SATA1   COM6 COM5 COM4 COM3

JP6   JP35   JP2   JP37

JP34

LED1   USB3   BAT1   DVI1   DIO1

Note 1: Please set JP13 to VGA DDC if connecting VGA & DVI-D as dual display.

Safety Precaution

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

1. Check the Line Voltage
   • The operating voltage for the power supply should cover the range of DC-in 12~24V, otherwise, the system may be damaged.

2. Environmental Conditions
   • Place your SE-8124 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 SE-8124 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. RESTRICTED ACCESS LOCATION: access can only be gained by SERVICE PERSONS or by USERS who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken; and access is through the use of a TOOL or lock and key, or other means of security, and is controlled by the authority responsible for the location