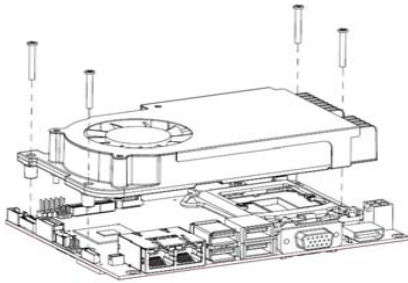


CAPA500 Series Quick Installation Guide

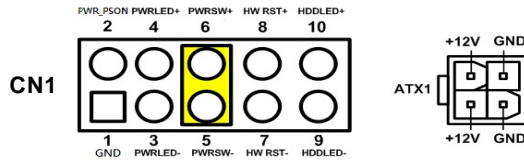
Installing Fan



Note:
Be careful not to over tighten the screws as it can damage the processor or the CPU board.

The processor needs specially designed heatsink and fan assembly to cool down and ensure sufficient air flow inside your system. After applying thermal grease on the processor and installing it on the socket, please place heatsink and fan assembly on top of it. Match the four screws to the fixing holes on the board. Then screw tightly the heatsink and CPU fan assembly onto the board. Also make sure the fan cable is plugged to fan connector (CN2).

Quick Start



The basic procedures required to power on CAPA500:

- (1). Require power at minimum 5A. Ensure that power supply is OFF before connecting to CAPA500 and that all necessary peripheral devices are plugged properly.
- (2). Ensure all of the jumpers are at default settings; especially JP4 (1-2 close).
- (3). Firmly install DDR4 memory module into connector SDIMM1 until fully seated.
- (4). Firmly insert power to ATX1.
- (5). Install a momentary on/off button/switch onto CN1, pin 5 and 6.
- (6). Turn on the power supply.
- (7). Press the on/off button/switch to power on CAPA500.

Checklist

- ✓ CPU board x1
- ✓ USB cable x1
- ✓ Audio cable x1
- ✓ Product information CD x1
- ✓ Quick installation guide x1
- ✓ COM cable x1

Note: Please contact your local vendors if any damaged or missing items. DO NOT apply power to the board if there is any damaged component.

Connectors

Connector	Description
CN1	Front Panel Connector
CN2	Fan Connector
CN3	Inverter Connector
CN4	LVDS Connector
CN5	SATA Power Connector
CN6	COM1 Wafer Connector
CN7	Audio Connector
CN8	USB 2.0 Wafer Port 5 and 6
CN9	Digital I/O Connector
CN10	SMBus Connector
CN11(Optional)	Power Connector
CN12	Ethernet Port 1 and 2
CN14	USB 3.0 Port 3 and 4
CN15	USB 3.0 Port 1 & USB 2.0 Port 3 and 4
CN16	HDMI Connector
CN17	VGA Connector
ATX1	ATX Power Connector
BAT1	CMOS Battery Connector
SATA1	SATA Port
SCN1	Full-size PCI-Express Mini Card Connector
SCN2	ZIO Expansion Connector
SDIMM1	DDR4 SO-DIMM Connector

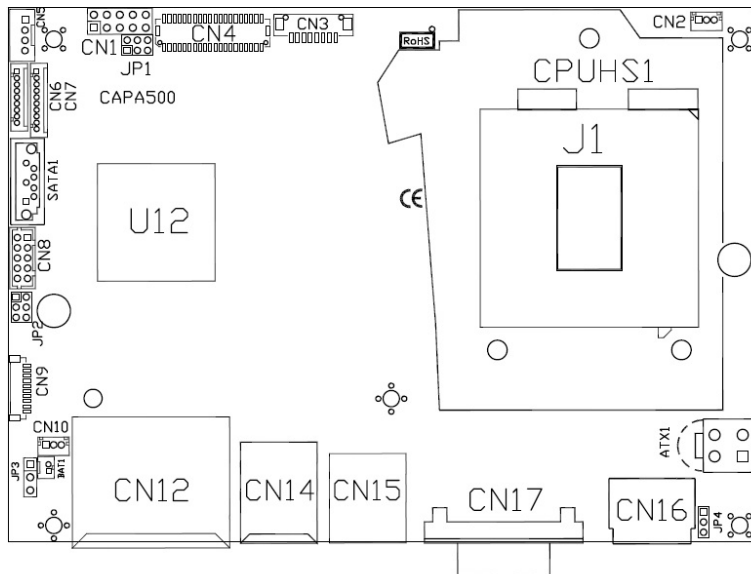
Jumper Settings

Before applying power to the CAPA500, please make sure all of the jumpers are in factory default positions.

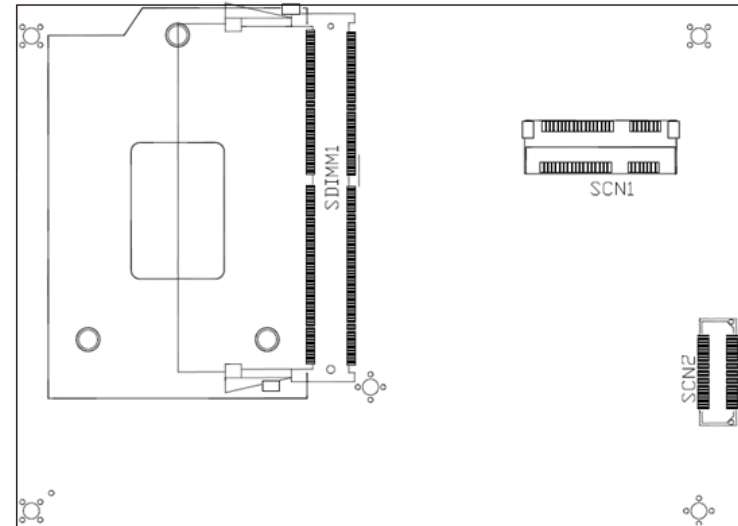
Jumper	Description	Setting
JP1	LVDS +3.3V/+5V/+12V Voltage Selection Default: +3.3V(1-2) (+5V: 2-4; +12V: 5-6)	1-2 Close
JP2	COM1 Data/Power Selection	CN6 Pin 1: DCD 3-5 Close
	Default: RS-232 Data	CN6 Pin 8: RI 4-6 Close
JP3	Restore BIOS Optimal Defaults Default: Normal Operation	1-2 Close
JP4	Auto Power On Default: Disable	1-2 Close

Note: Please refer to the CAPA500 series product information CD for the complete user's manual, drivers and utilities. User's manual and related documents are in Acrobat PDF format.

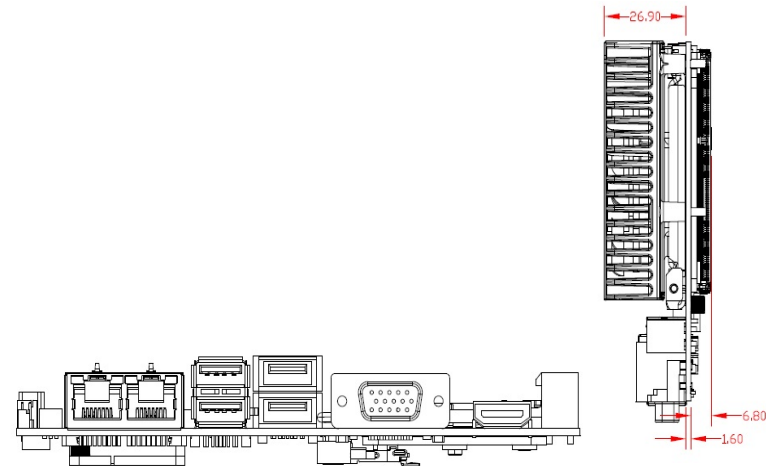
Board Layout



Top View



Bottom View



Side View