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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:

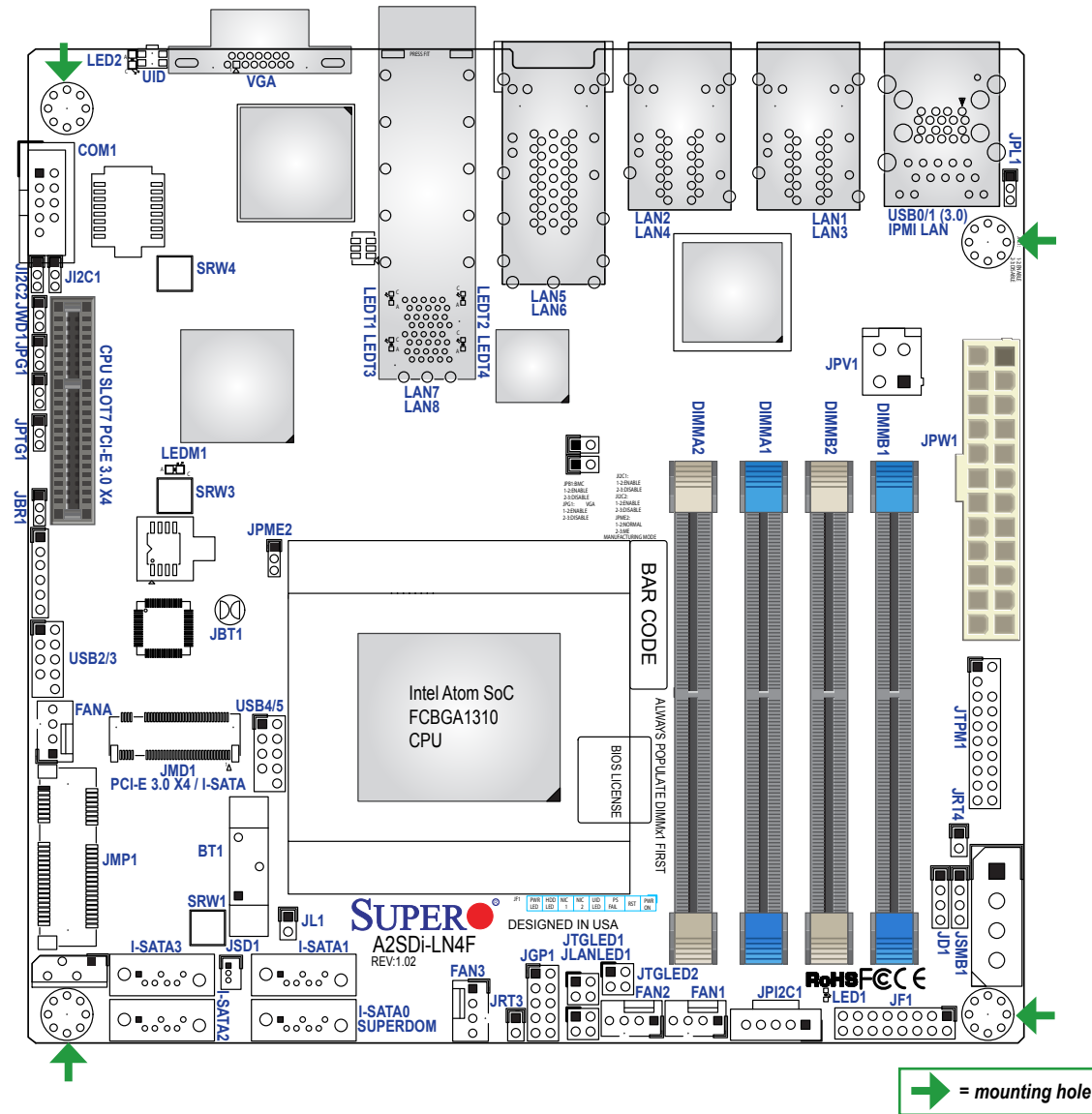
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <https://www.supermicro.com/wftp/driver/>
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

- One (1) Supermicro Motherboard
- Four (4) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide



Motherboard Layout and Features



Connectors and LED Indicators

Connector	Description
BT1	Onboard Battery
COM1	COM Port
FAN1, FAN2, FAN3, FANA	System/CPU Fan Headers (FAN1: CPU Fan)
IPMI LAN	Dedicated IPMI LAN Port
I-SATA0 ~ I-SATA3	Intel® SATA 3.0 Ports (I-SATA0 supports SuperDOM)
JD1	Speaker Header
JF1	Front Control Panel Header
JGP1	General Purpose I/O Header
JLANLED1	LAN3/LAN4 Activity LED Header
JMD1	M.2 PCI-E 3.0 x4/I-SATA Slot
JMP1	Mini PCI-E 2.0 x1/I-SATA Slot
JPH1	4-pin Power Connector for HDD use
JPI2C1	Power Supply SMBus I2C Header
JPV1	12V DC Power Connector
JPW1	24-pin ATX Power Connector
JRT3	Thermal Diode 1 Header
JRT4	Thermal Diode 2 Header
JSD1	SATA DOM Power Connector
JSMB1	PCH SMBus Header
JTGLED1	LAN5/LAN6 Activity LED Header
JTGLED2	LAN7/LAN8 Activity LED Header
JTPM1	Trusted Platform Module/Port 80 Connector
LAN1 ~ LAN8	LAN1 ~ LAN4: GbE LAN (RJ45) Ports LAN5 ~ LAN6: 10GBaseT LAN (RJ45) Ports LAN7 ~ LAN8: 10G LAN (SFP+) Ports (LAN5 ~ LAN8 not available on A2SDi-LN4F)
SLOT7	CPU PCI-E 3.0 x4 Slot
SRW1, SRW3, SRW4	M.2 Holding Screws
UID	Unit ID Button
USB0/1	Back panel USB 3.0 Ports
USB2/3, USB4/5	Front Accessible USB 2.0 Headers
VGA	VGA Port

LED	Description	Status
LED1	Onboard Power LED	Solid Green: Power On
LED2	UID LED	Solid Blue: Unit Identified
LEDM1	BMC Heartbeat LED	Blinking Green: BMC Normal

Jumpers

Jumper	Description	Default Setting
JBR1	BIOS Recovery	Pins 1-2 (Normal)
JBT1	CMOS Clear	Open (Normal)
JI2C1, JI2C2	SMB to PCI-E Slots Enable/Disable	Both Pins 2-3 (Disabled)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPL1	LAN1~4 Enable/Disable	Pins 1-2 (Enabled)
JPME2	Manufacturing Mode	Pins 1-2 (Normal)
JPTG1	10Gb LAN Enable/Disable	Pins 1-2 (Enabled)
JWD1	Watch Dog	Pins 1-2 (Reset)

CPU Support

The A2SDi-TP8F/LN4F, A2SDi-16C-TP8F supports an Intel® Atom C3000 SoC (FCBGA 1310).

Memory Support

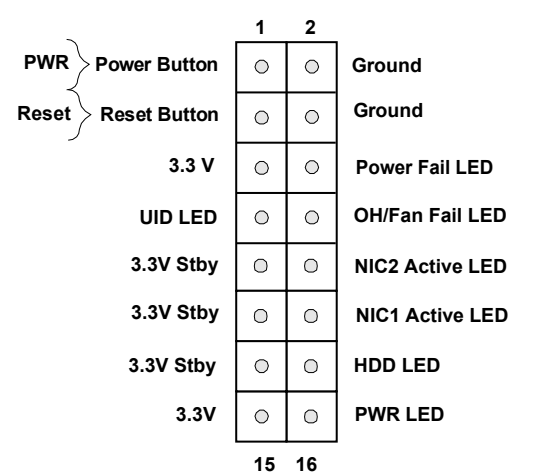
The A2SDi-TP8F/LN4F, A2SDi-16C-TP8F supports up to 64GB of DDR4 ECC/non-ECC SODIMM memory with speeds up to 2400 MHz in four memory slots. Populating these DIMM slots with a pair of memory modules of the same type and size will result in interleaved memory, which will improve memory performance.

DIMM Memory Installation

When installing memory modules, the DIMM slots should be populated in the following order: DIMMA1, DIMMB1, DIMMA2, DIMMB2. See the motherboard layout on the left for the location of the DIMM slots.

- Always use DDR4 DIMM modules of the same type, size, and speed. Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.
- The motherboard will support odd-numbered modules (1 or 3 modules installed). However, for best memory performance, install DIMM modules in pairs to activate memory interleaving.

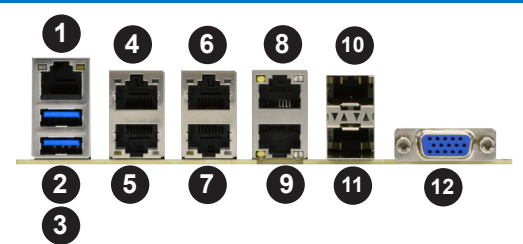
Front Control Panel (JF1)



Note: Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as drawings shown in this guide.

Note: Refer to Chapter 1 of the User Manual for detailed information on jumpers, connectors, and LED indicators.

Back Panel I/O Connectors



#	Definition	#	Description	#	Description
1	IPMI LAN	5	LAN1	9	LAN5 (on TP8F)
2	USB1	6	LAN4	10	LAN8 (on TP8F)
3	USB0	7	LAN2	11	LAN7 (on TP8F)
4	LAN3	8	LAN6 (on TP8F)	12	VGA Port

Note: Refer to Chapter 2 of the User Manual for detailed information on memory support and CPU/motherboard installation instructions.