

CONTACT INFORMATION

- Website: www.supermicro.com
- General Information: marketing@supermicro.com
- Technical Support: support@supermicro.com
- Phone: +1 (408) 503-8000, Fax: +1 (408) 503-8008

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

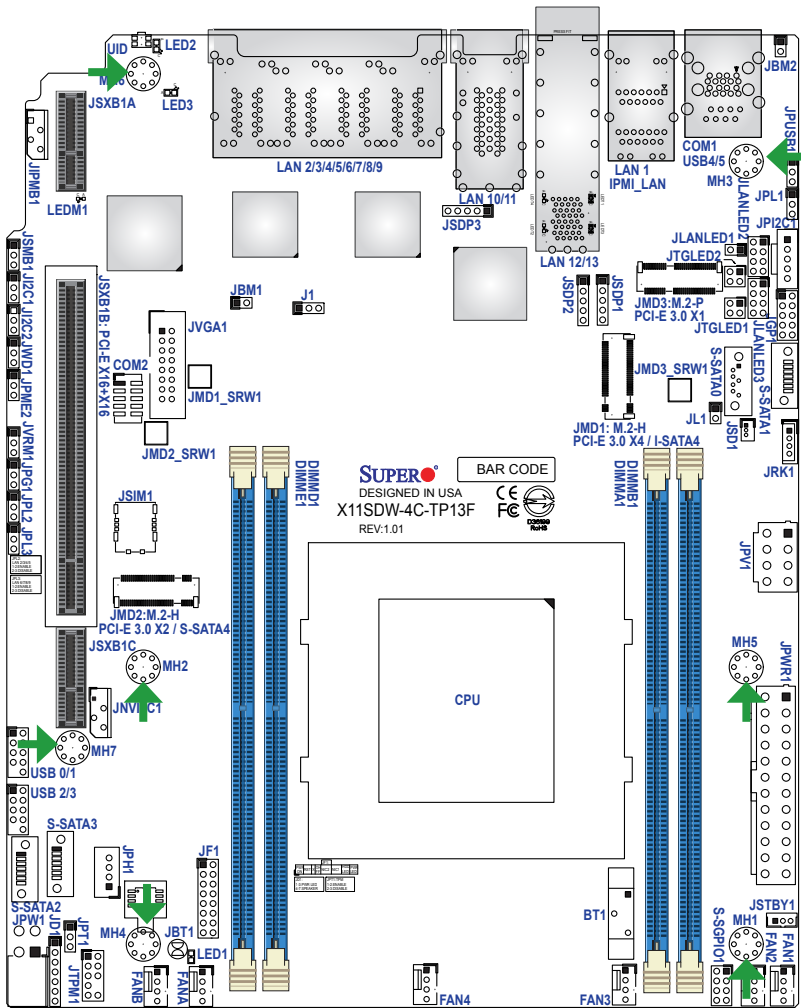
PACKAGE CONTENTS

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



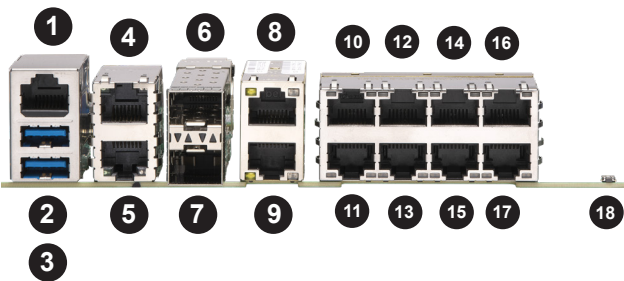
WARNING: This product can expose you to chemicals including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Motherboard Layout and Features



→ = mounting hole

Back Panel I/O Connectors



#	Description	#	Description	#	Description
1.	COM1	7.	LAN12	13.	LAN4
2.	USB5 (USB3.0)	8.	LAN11	14.	LAN7
3.	USB4 (USB3.0)	9.	LAN10	15.	LAN6
4.	IPMI LAN	10.	LAN3	16.	LAN9
5.	LAN1	11.	LAN2	17.	LAN8
6.	LAN13	12.	LAN5	18.	UID Switch

Front Control Panel

PWR	Power Button	1	2	Ground
Reset	Reset Button			Ground
	3.3V			Power Fail LED
	UID			OH/Fan Fail/PWR Fail LED
	3.3V Stby			NIC2 Activity LED
	3.3V Stby			NIC1 Activity LED
	3.3V Stby			HDD LED
	3.3V			PWR LED
		15	16	

Jumpers and Connectors

Jumpers		
Jumper	Description	Default Setting
J1	M.2 SMBus Enable/Disable	Pins 1-2 (Enabled)
JBM1	Disable IPMI Share LAN	Pin 1-2 Open (Enable)
JBM2	Disable IPMI Dedicated/Share LAN	Pin 1-2 Open (Enable)
JBT1	CMOS Clear	Open: Normal Closed: Clear CMOS
JIC1/JIC2	SMB to PCI-E Slots Enable/Disable	Pins 2-3 (Disabled)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPL1	LAN1 Enable/Disable	Pins 1-2 (Enabled)
JPL2	LAN2/3/4/5 Enable/Disable	Pins 1-2 (Enabled)
JPL3	LAN6/7/8/9 Enable/Disable	Pins 1-2 (Enabled)
JPME2	Manufacturing Mode Select	Pins 1-2 (Normal)
JPT1	TPM Enable/Disable	Pins 1-2 (Enabled)
JPUSB1	USB0/1 Wake up	Pins 1-2 (Enabled)
JWD1	Watch Dog Timer	Pins 1-2 (Reset)

Connectors	
Connector	Description
BT1	Onboard Battery
COM1/COM2	COM1: Port, COM2: Header
FAN1 - FAN4, FANA, FANB	CPU/System Fan Headers
IPMI LAN	Dedicated IPMI LAN Port
JD1	Power LED/Speaker Header (Pins 1-3: Power LED, Pins 4-7: Speaker)
JF1	Front Control Panel Header
JGP1	General Purpose I/O Header
JIPMB1	System Management Bus Header (for IPMI only)
JL1	Chassis Intrusion Header
JLANLED1	LAN1 Activity LED Header
JLANLED2	LAN2-5 Activity LED Header
JLANLED3	LAN6-9 Activity LED Header
JMD1	M.2 Slot M-Key 2280/22110 (SATA3.0 / PCI-E x4)
JMD2	M.2 Slot B-Key 2242/3042 (USB2.0 / USB3.0 / SATA3.0 / PCI-E x2)
JMD3	M.2 Slot E-Key 2230 (USB2.0 / PCI-E x1)
JNV12C1	Non-volatile Memory (NVMe) I2C Header
JPH1	4-pin HDD Power Connector
JPI2C1	Power I2C System Management Bus (Power SMB) Header
JPV1	12V 8-pin DC Power Connector (Required to provide extra power to CPU, or as alternative power for special enclosure when the 24 pin ATX power is not in use)

Connectors and LED Indicators

Connectors	
JPW1	GPU Power Connector
JPWR1	24-pin ATX Power Connector
JRK1	Intel RAID Key Header
JSD1	SATA DOM Power Connector
JSDP1	Software Define Pin (For X722 LAN 10/11)
JSDP2	Software Define Pin (For X722 LAN 12/13)
JSDP3	Software Define Pin (For I350 LAN2)
JSIM1	Nano SIM Card Slot
JSMB1	System Management Bus Header
JSTBY1	Standby Power Connector
JSXB1A/JSXB1B/JSXB1C	WIO Connector
JTGLED1	LAN10/11 Activity LED Header
JTGLED2	LAN12/13 Activity LED Header
JTPM1	Trusted Platform Module (TPM)/Port 80 Connector
JVGA1	VGA Header
LAN1	1G LAN Port (from I210)
LAN2/LAN3	10G SFP+ Ports
LAN4/LAN5	10G LAN Ports
LAN6 - LAN13	1G LAN Ports (from I350)
S-SATA0 - S-SATA3	SATA 3.0 Ports
S-SGPIO1	Serial Link General Purpose I/O Header
UID	Unit Identifier Switch
USB0/1, USB2/3	Front Accessible USB 2.0 Headers
USB4/5	Back Panel USB 3.0 Ports

LED Indicators		
LED	Description	Status
LED1	Power LED	Solid Green: Power On
LED2	UID LED	Solid Blue: Unit Identified
LED3	Overheat/Power Fail/Fan Fail LED	Solid Red: Overheat Blinking Red: Power or Fan Failure
LEDM1	BMC Heartbeat	Blinking Green: BMC Normal

CPU and Memory Support

The X11SDW-4C/8C/12C/14C/14CNT/16C-TP13F motherboard supports an Intel® Xeon D-2100 SoC processor.

The X11SDW-4C/8C/12C/14C/14CNT/16C-TP13F motherboard supports up to 256GB of ECC RDIMM or 512GB of ECC LRDIMM DDR4 memory with speeds of up to 2400MHz in four slots.