Board Layout

No.	Jumper & Description
1	JHDMI2: Manufacturing Mode
2	FAN1: System Fan Header
3	JLCDPWR1: LVDS Panel VCC Power Source Selection
4	LVDS1: Dual Channel 48-bit LVDS Connector
5	JCOM1: COM1/COM2 Header
6	JCOM2: COM3/COM4 Header
7	JPH1: 4-pin HDD Power Connector
8	I-SATA0: SATA 3.0 Port
9	AUDIO FP: Front Panel Audio Header (Mic-In/Line-Out)
10	USB2/3: Front Accessible USB 2.0 Headers
11	USB0/1: Front Accessible USB 2.0 Headers
12	JF1: Front Control Panel Header
13	JGP1: 8-bit General Purpose I/O Header
14	BT1: Onboard Battery
15	LAN1: 2.5 GbE Ethernet Ports
16	LAN2: 2.5 GbE Ethernet Ports
17	USB4/5: Front Accessible USB 2.0 Headers
18	USB6/7: Front Accessible USB 2.0 Headers

I/O Connectors
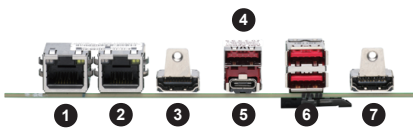
No.	Description	No.	Description
1	LAN1	5	USB5 Type C (3.1)
2	LAN2	6	USB6/7 (3.1)
3	HDMI 2.0 Port	7	HDMI 1.4 Port
4	USB4 (3.1)		

System Features

Motherboards

X12STN-H/E/L/C-WOHS

Chassis

CSE-E101-03

Processor Support

11th Generation Intel® Core™ or Celeron® processor

Memory

Two DIMM slots support up to 64GB unbuffered, non-ECC SO-DIMM, DDR4-3200

Expansion Slots

Three M.2 slots (one B-key, one M-key, one E-key)

I/O Ports

Two 2.5GbE LAN ports
Two HDMI ports (one 2.0b port and one 1.4b port)
One HD audio header for mic-in, line-out)
Four serial ports
Three USB 3.2 Gen 1 ports, one USB-C 3.2 port, four USB 2.0 ports

Power

Lockable 12V, 84W DC power adapter

Form Factor

3.5" SBC; 7.68" x 1.73" x 5.94" (195 x 44 x 150mm) (WxHxD)

System Configurations

System Model	Motherboard	CPU Support
SYS-E100-12T-H	X12STN-H-WOHS	11th Generation Intel Core™ i7-1185GRE
SYS-E100-12T-E	X12STN-E-WOHS	11th Generation Intel Core™ i5-1145GRE
SYS-E100-12T-L	X12STN-L-WOHS	11th Generation Intel Core™ i3-1115GRE
SYS-E100-12T-C	X12STN-C-WOHS	11th Generation Intel Celeron® 6305E

Caution

⚠ **SAFETY INFORMATION**
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

⚠ **WARNING:**
To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets.
If any CPU socket empty, install protective plastic CPU cap.

⚠ **WARNING:**
Always be sure all power supplies for this system have the same power output. If mixed power supplies are installed, the system will not operate.

For more information go to: http://www.supermicro.com/support

Front View & Interface
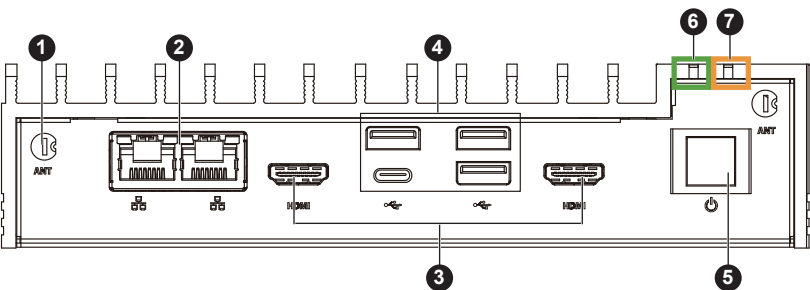
Front Chassis Features

Item	Features	Description
1	ANTENNA	WiFi antenna
2	LAN Ports	2.5GbE LAN ports (Intel I225-IT)
3	HDMI Ports	Left port: HDMI 2.0b (4K60Hz), Right port: HDMI 1.4b
4	USB Ports	USB 3.2 ports, lower left port is USB C port
5	Power Button	System on/off button
6	Power LED	Indicates power is being supplied to the system.
7	HDD LED	Indicates data is being written to the storage drives

Rear Features
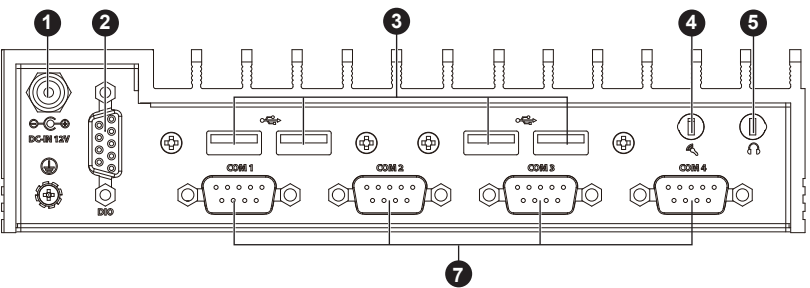
Rear Chassis Features

Item	Features	Description
1	12V DC Input	Power input for system
2	GPIO Port	General Purpose Input/Output Port
3	COM Ports	COM1 and COM2: RS232/422/485 serial ports COM3 and COM4: RS232 serial ports
4	USB Ports	USB 2.0 ports
5	Mic-In	Microphone jack (optional)
6	Line-Out	Line out jack for audio (optional)

Beep (POST) Codes

BIOS Beep (POST) Codes

Beep Code	Description
1 beep	Circuits have been reset (Ready to power up)
5 short, 1 long	No memory detected in system
5 long, 2 short	Video adapter missing or with faulty memory
1 long continuous	System overheat condition

Accessing the System

Removing the Chassis Cover Removing the Bottom Cover
1. Remove power from the system as described in Section 2.1.
2. Remove the eight screws that hold the cover in place.
3. Lift the cover up and off the chassis.

Remove the screws and Lift the cover
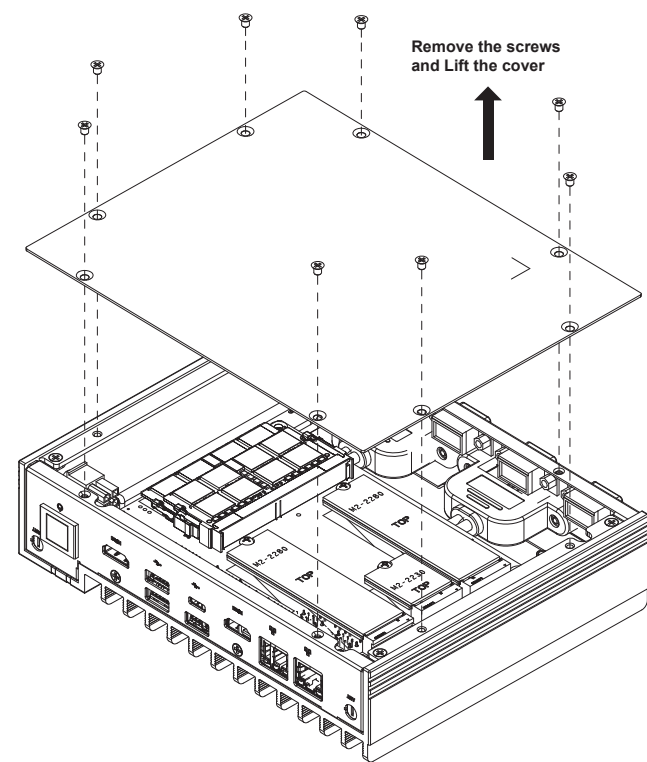
Mounting the Chassis

Installing the Mounting Brackets
1. Turn the chassis over to the bottom side.
2. Decide whether the bracket mounting holes will face outwards or inwards.
3. The mounting bracket supports two screw alignments. Decide which screw holes will be used.
4. Align the screw holes on the mounting bracket with the screw holes on the chassis.
5. Install two screws.
6. Repeat on the other mounting bracket.