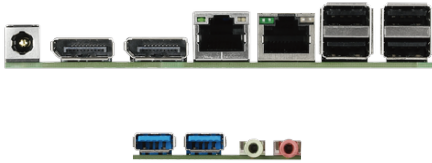
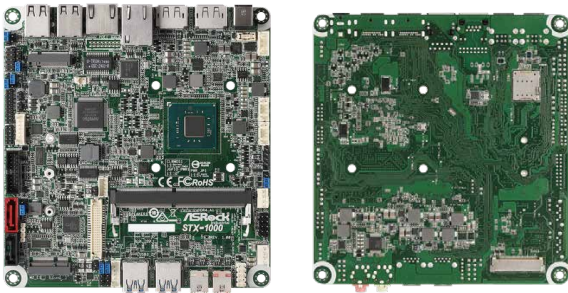


Preliminary

STX-1000



Key Features

- Intel® Gemini Lake SoC Processor
 - STX-1000D (J5005)
 - STX-1000J (J4015)
 - STX-1000B (J4005)
- Supports Single Channel DDR4 SO-DIMM 2400 MHz, up to 8GB
- 2 x DisplayPort, 1x eDP or LVDS
- 4 x USB 3.1, 5 x USB 2.0, 2 x SATA3, 2 x COM
- 1 x M.2 Key B, 1 x M.2 Key E
- 1 x Intel LAN, 1 x Realtek LAN
- 1 x TPM Header
- +9~24V DC-in (DC Jack/ 4-pin ATX PWR Con)

Specifications

Processor System

Dimensions	Mini-STX (5.5-in x 5.8-in)
CPU	STX-1000B : Intel® Celeron® Processor J4005,DC,2.0GHz,10W STX-1000J : Intel® Celeron® Processor J4105,QC,1.5GHz,10W STX-1000D :Intel® Pentium® Silver Processor J5005,QC,1.5GHz,10W
Chipset	SoC

Expansion Slot

PCIe	N/A
Mini-PCIe	N/A
M.2	1 x M.2 (Key B, 2242/2260/2280) with PCIe x1 (or USB 3.0 optional), USB 2.0 and SATA3 1 x M.2 (Key E, 2230) with PCIe x1, CNVi and USB 2.0 for WiFi+BT
mSATA	N/A

Memory

Technology	Single Channel DDR4 2400 MHz
Max	8GB
Socket	1 x SO-DIMM

Graphics

GPU	Intel® UHD Graphics(By CPU)
VGA	N/A
LVDS	Dual channel 24 bit, max. resolution up to 1920x1200@60Hz
eDP	eDP 1.4 (share with LVDS) with max. resolution up to 4096x2160@60Hz
HDMI	N/A
DVI	N/A
DisplayPort	DisplayPort++ 1.2 with max. resolution up to 4096x2160@60Hz
Multi Display	Triple Display

Ethernet

Controller/ Speed	LAN1: Intel I210AT with 10/100/1000 Mbps LAN2: Realtek RTL8111G/RTL8111H-CG with 10/100/1000Mbps
Connector	2 x RJ-45

Front I/O

USB	2 x USB 3.1
Audio Jack	2 (Mic-in, Line-out)

Rear I/O

VGA	N/A
DVI	N/A
HDMI	N/A
DisplayPort	2 x DP1.2
Ethernet	2
USB	4 x USB 2.0
Serial	N/A
PS/2	N/A

Internal Connector

USB	1 x USB 2.0, 2 x USB 3.1
LVDS	1 (shared with eDP)
eDP	1 (shared with LVDS)
VGA	N/A
Serial	1 x COM(RS-232), 1 x COM(RS-232/422/485)
SATA	2 x SATA3(one is shared with M.2 Key B)
Parallel	N/A
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	1
Speaker Header	1
TPM	1 x Header (SPI)

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 segments, 0,1,2...255sec/min

Power Requirements

Input PWR	+9~24V DC-in (DC Jack/ 4-pin ATX PWR Con)
Power On	AT/ATX supported AT : Directly PWR on as Power input ready ATX: Press Button to PWR On after Power input ready

Environment

Temperature	0°C~60°C
Storage Temperature	-40°C~85°C
Operating Humidity	5% - 90%
Storage Humidity	5% - 90%

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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