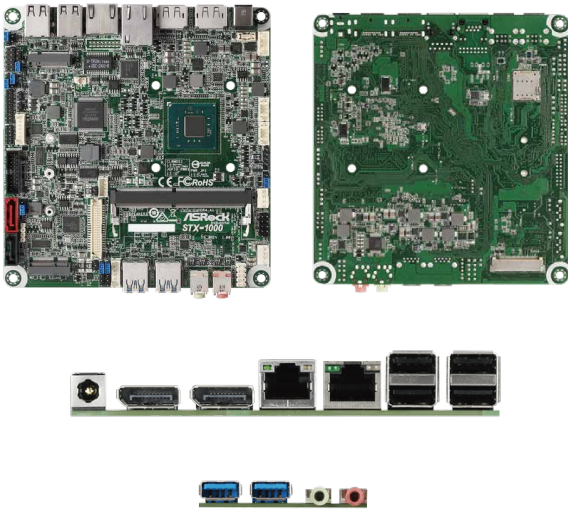


Preliminary

## 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<br>STX-1000J : Intel® Celeron® Processor J4105,QC,1.5GHz,10W<br>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<br>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<br>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<br>AT : Directly PWR on as Power input ready<br>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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660