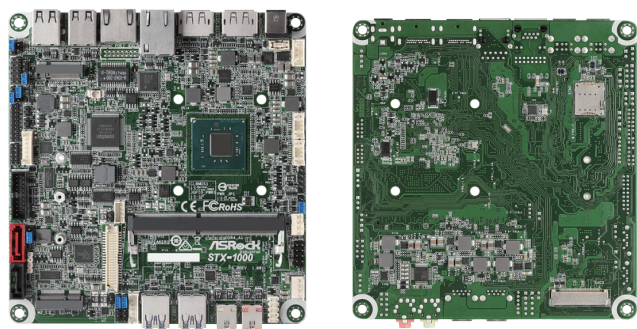




Key Features

- Intel® Gemini Lake SoC Processor
- 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	Intel® Celeron® Processor J4005, DC, 2.0GHz, 10W Intel® Celeron® Processor J4105, QC, 1.5GHz, 10W 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

Interface	10/100/1000 Mbps
Controller	1 x Intel I210AT, 1 x Realtek RTL8111G

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