

Coming Soon

KEY FEATURES

- Intel® Amston Lake Processors X7433RE
- 2 x 8GB IBECC onboard LPDDR5 4800 MHz
- 4 x PCIe x1 (Gen3), 2 x USB 3.2 Gen2, 6 x USB 2.0, 4 x UART, 1 x SATA3
- 2 x Intel 2.5 Gigabit LAN
- Supports Triple Display, 2 x HDMI 2.0b or DP 1.4, 1 x LVDS or eDP
- 3V~5.25V dc +/- 5%

SPECIFICATIONS

Form Factor

Dimensions	SMARC (3.2-in x 1.96-in x 0.21-in, 8.2 cm x 5.0 cm x 0.55 cm)
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Processor System

CPU	Intel® Amston Lake Processors X7433RE, QC, Max Speed Up to 3.4GHz, 9W
BIOS	AMI SPI 256 Mbit

Memory

Technology	IBECC onboard LPDDR5 4800 MHz
Capacity	16GB

Graphics

Controller	Intel® UHD Graphics
HDMI	HDMI 2.0b Max resolution up to 4096 x 2160@60Hz
DisplayPort	DP 1.4 Max resolution up to 4096 x 2160@60Hz
LVDS	Dual channel 24 bit up to 1920 x 1200@60Hz (Signal shared with eDP)
eDP	Max resolution up to 1920 x 1080@60Hz (Signal shared with LVDS)
MultiDisplay	Triple Display

Expansion Slot

PCIe	4 x PCIe x1 (Gen3)
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Ethernet

Controller/ Speed	2 x Intel® I226IT 10/100/1000/2500 Mbps
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I/O

USB	2 x USB 3.2 Gen2 6 x USB 2.0
COM	4 x UART Ports
GPIO	13 x GPIO
LVDS	DDIA support LVDS
eDP	DDIA support eDP (eDP bypass mode)
DisplayPort	TCPO support DP/HDMI
HDMI	DDIB support HDMI
Ethernet	2
SMBus	1
CAN Bus	2
MIPI CSI	2 (1x4 or 2x2)

Storage

SATA	1 x SATA3 (6Gb/s)
eMMC	eMMC 5.1 (optional)

Security

TPM	TPM 2.0 onboard IC (optional)
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Watchdog Timer

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

Power Requirements

Input PWR	3V~5.25V dc +/- 5%
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

Environment

Operating Temp	-40°C ~ 85°C
Storage Temp	-40°C ~ 85°C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%