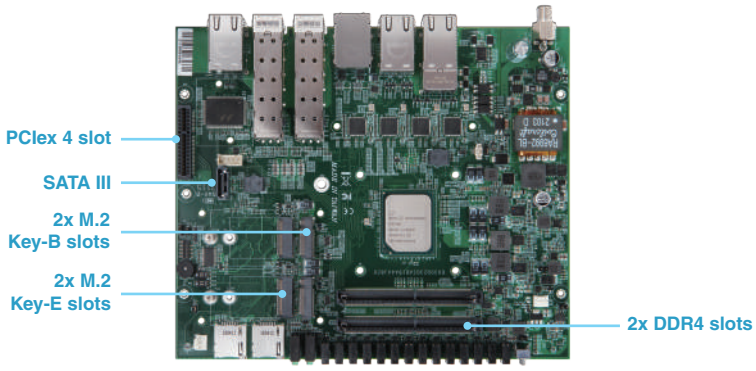
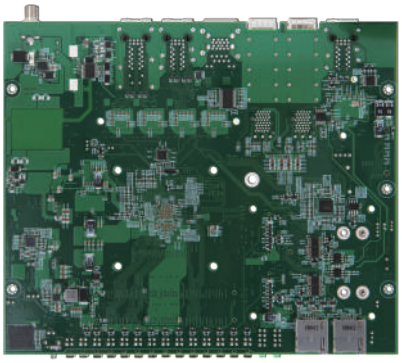
ANSB-9A44 Series

Intel® Denverton Refresh C3758R(8C) / C3558R(4C) Processor embedded board with DDR4 SO-DIMM and 54V DC input

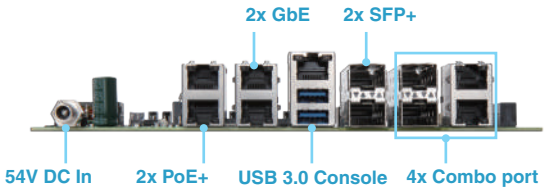




ANSB-9A44 Series builds on Intel® Denverton C3758R / C3558R processor with up to eight CPU cores, 2x SFP+, 2x GbE ports, 2x GbE PoE+ ports and combo ports x2. It is suitable for SDN (Software-Defined WAN) application with 5G and Wi-Fi 6 deployment.

FEATURES

- Intel Atom® C3758(8C)/ C3558R(4C) Processor (Denverton Refresh)
- 2x SFP+, 2x GbE RJ45, 2x GbE RJ45 PoE+, Combo Ports x2
- 1x RJ45 Console, 2x USB 3.0
- 2x DDR4 2400/2133 MT/s ECC and non-ECC SO-DIMM up to 32GB
- 1x TPM2.0(on-board)
- 1x eMMC 5.0 16GB (on-board)
- 2x M.2 Key-E Slot (PCIe/ USB2.0), 2x M.2 Key-B Slot (PCIe/ USB3.0), 1x SATADOM
- Design ready for 5G and Wi-Fi 6 (802.11ax)



ORDERING GUIDE

AB1-3K85Z	(R).ANSB-9A44J. ANSB-EDGE-C3758R. 54V Input. SPF+*2, LAN*8, PoE+*2, Combo Port*2, USB*2, DDR4 SO-DIMM Slot*2, and 16GB eMMC.
AB1-3K84Z	(R).ANSB-9A42J. ANSB-EDGE-C3558R. 54V Input. SPF+*2, LAN*8, PoE+*2, Combo Port*2, USB*2, DDR4 SO-DIMM Slot*2, and 16GB eMMC.

6 | 5G | PoE+ | 1 GbE | 10.0 Gbit/s | Combo Port

General

Processor	- Intel® Denverton Refresh C3758R(8C) for ANSB-9A44J
	- Intel® Denverton Refresh C3558R(4C) for ANSB-9A42J
BIOS	AMI UEFI BIOS
Memory	2x DDR4 1866 MT/s ECC & non-ECC SO-DIMM up to 32GB
Storage	- eMMC 5.0 16GB (Optional)
	- 1x SATA III port for SATADOM
Expansion	- 2x M.2 Key-E slot with PCIe and USB2.0 signals
	- 2x M.2 Key-B slot with PCIe and USB3.0 signals
	- 4x SIM slots
	- PCIex 4 slot
Security	TPM 2.0

Exteral I/O

Console	1x RJ45
USB	2x USB 3.0
Ethernet	2x GbE RJ45 (Intel I211)
	2x SFP+ (From Intel Denverton Refresh)
PoE+ Ethernet	2x GbE RJ45 PoE+ (Intel I211)
Combo Ethernet	2x GbE RJ45/SFP Combo Ports (Marvell 88E1543)

Mechanical

Dimension	210(W) X 177(D) mm

Environmental

Operating Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 70°C
Relative Humidity	10% ~ 90%@40°C, non-condensing
Power Supply	54V DC input

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