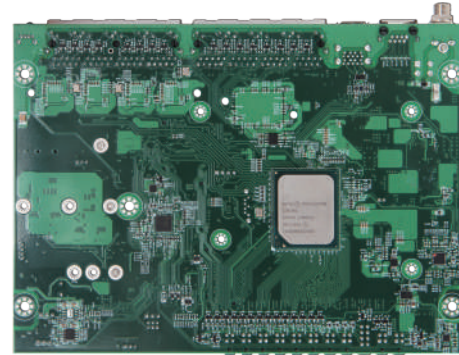
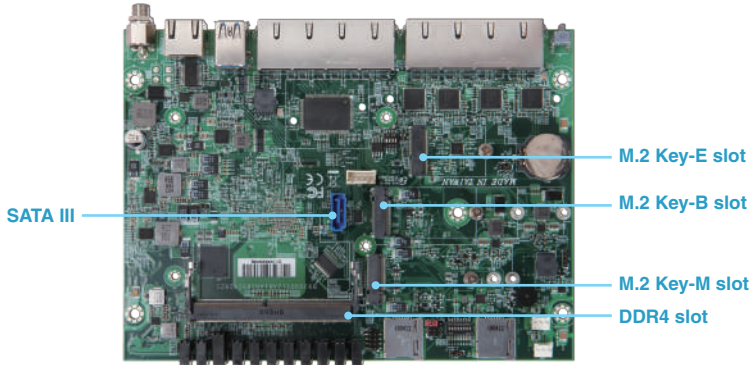




ANSB-9142 Series

Intel® Denverton Refresh
C3436L(4C) / C3338R(2C) Processor
embedded board with DDR4 SO-DIMM
and 12V DC input



ANSB-9142 Series builds on Intel® Denverton C3436L / C3338R processor with up to four CPU cores. Not only does it operate with TDP under 12W for fan-less applications. It is suitable for SDN (Software-Defined WAN) application with 5G and Wi-Fi 6 deployment.



FEATURES

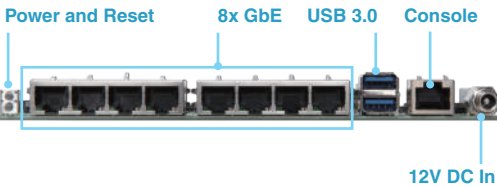
- Intel Atom® C3436L(4C) / C3338R(2C) Processor (Denverton Refresh)
- 8x GbE RJ45
- 1x RJ45 Console, 2x USB 3.0
- 1x DDR4 1866 MT/s ECC and non-ECC SO-DIMM up to 32 GB
- 1x TPM 2.0 (on-board)
- 1x eMMC 5.0 16GB (on-board)
- 1x M.2 Key-E Slot (PCIe/ USB2.0), 1x M.2 Key-B Slot (PCIe/ USB3.0), 1x M.2 Key-M Slot (SATA)
- Design ready for 5G and Wi-Fi 6 (802.11ax)

General

Processor	- Intel® Denverton Refresh C3436L(4C) for ANSB-9142 - Intel® Denverton Refresh C3338R(2C) for ANSB-9141
BIOS	AMI UEFI BIOS
Memory	1 x DDR4 1866 MT/s ECC & non-ECC SO-DIMM up to 32GB
Storage	- eMMC 5.0 16GB (Optional) - 1x SATA III port for SATADOM or M.2 Key-M storage
Expansion	- 1x M.2 Key-E slot with PCIe and USB2.0 signals - 1x M.2 Key-B slot with PCIe and USB3.0 signals - 2x SIM slots
Security	TPM 2.0

External I/O

Console	1x RJ45
USB	2x USB 3.0
Ethernet	4x GbE RJ45 (Intel I211, Optional) 4x GbE RJ45 (Marvell 88E1543)



Mechanical

Dimension	196(W) X 144.5(D) mm
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ORDERING GUIDE

AB1-3L43Z	(R).ANSB-9121. ANSB-EDGE-C3338R. 12V Input. LAN*4. USB*2. DDR4 SO-DIMM Slot*1. and 16GB eMMC
AB1-3L44Z	(R).ANSB-9122. ANSB-EDGE-C3436L. 12V Input. LAN*4. USB*2. DDR4 SO-DIMM Slot*1. and 16GB eMMC
AB1-3K42Z	(R).ANSB-9142. ANSB-EDGE-C3436L. 12V Input. LAN*8. USB*2. DDR4 SO-DIMM Slot*1. and 16GB eMMC
AB1-3K61Z	(R).ANSB-9141. ANSB-EDGE-C3338R. 12V Input. LAN*8. USB*2. DDR4 SO-DIMM Slot*1. and 16GB eMMC

Environmental

Operating Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 70°C
Relative Humidity	10% ~ 90% @ 40°C, non-condensing
Power Supply	12V DC input

