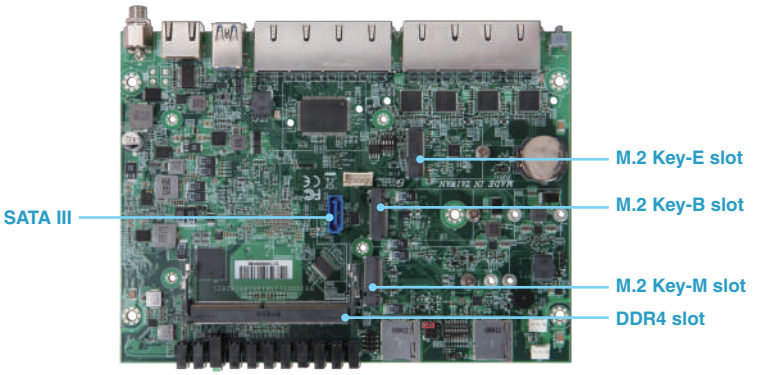
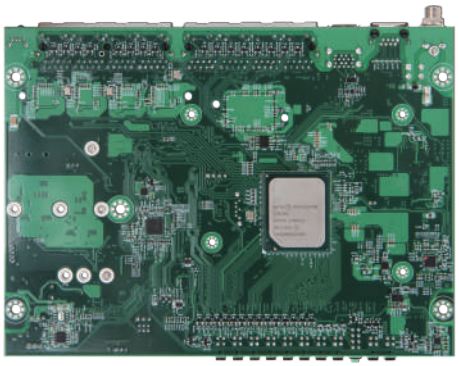
ANSB-9142 Series

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

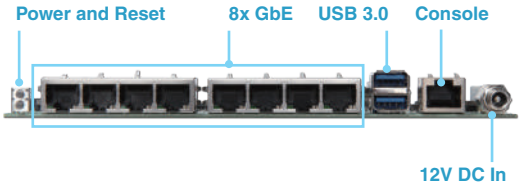




ANSB-9142 Series builds on Intel Atom® C3436L / C3338R processor with up to four CPU cores. Not only does it operate with TDP under 12W for fan-less applications. It is suitable for SDN (Software-Defined WAN) application with 5G and Wi-Fi 6 deployment.

FEATURES

- Intel Atom® C3436L(4C) / C3338R(2C) Processor
- 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)



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

intel partner Titanium IoT Solutions

General

Processor	- Intel Atom® C3436L(4C) for ANSB-9142
	- Intel Atom® 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

Exteral 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

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