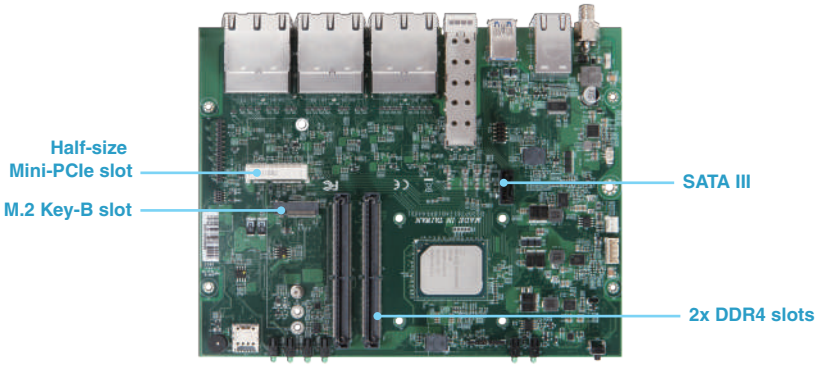
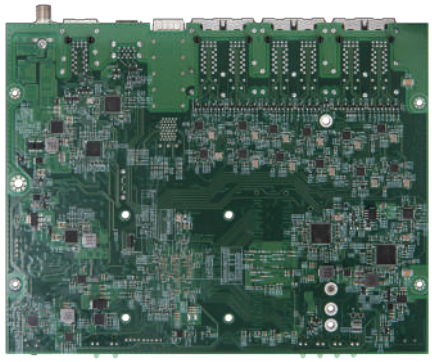
ANS-8A64 Series

Intel Atom® C3758(8C) / C3558(4C) Processor embedded board with DDR4 SO-DIMM and 12V DC input

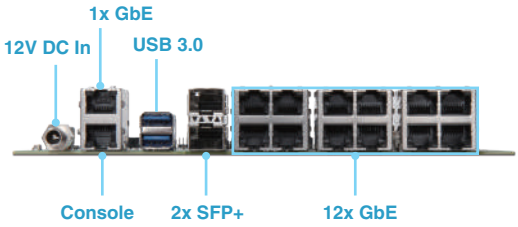




ANS-8A64 Series builds on Intel Atom® C3758 / C3558 processor with up to eight CPU cores, 2x SFP+, 13x GbE ports and PoE+ support. It is suitable for SDN (Software-Defined WAN) application with 5G and Wi-Fi 6 deployment.

FEATURES

- Intel Atom® C3758(8C)/ C3558(4C) Processor
- 2x 10Gb SFP+, 1x GbE RJ45, 12x GbE RJ45 (with PoE+ support by SKU)
- 1x RJ45 Console, 2x USB3.0
- 2x DDR4 2400/2133 MT/s ECC SO-DIMM up to 32GB
- 1x TPM2.0(on-board)
- 1x eMMC 5.0 16GB (on-board)
- 1x Mini-PCIe(PCIe/ USB2.0), 1x M.2 Key-B Slot(PCIe/ USB3.0), 1x SATADOM
- Design ready for 5G and WiFi 6 (802.11ax)



ORDERING GUIDE

AB1-3K09Z	(R). ANS-8A64H. Intel Atom® C3758. Dual DDR4 SO-DIMM, SATA DOM, 12 * RJ45 GbE Ports with PoE+ function, RJ45 Console, 2 * USB3.0, miniPCIe, M.2 LTE, SIM Slot, TPM2.0.
AB1-3K16Z	(R). ANS-8A64G. Intel Atom® C3758. Dual DDR4 SO-DIMM, SATA DOM, 12 * RJ45 GbE Ports, RJ45 Console, 2 * USB3.0, miniPCIe, M.2 LTE, SIM Slot, TPM2.0.
AB1-3K15Z	(R). ANS-8A62H. Intel Atom® C3558. Dual DDR4 SO-DIMM, SATA DOM, 12 * RJ45 GbE Ports with PoE+ function, RJ45 Console, 2 * USB3.0, miniPCIe, M.2 LTE, SIM Slot, TPM2.0.
AB1-3K17Z	(R). ANS-8A62G. Intel Atom® C3558. Dual DDR4 SO-DIMM, SATA DOM, 12 * RJ45 GbE Ports, RJ45 Console, 2 * USB3.0, miniPCIe, M.2 LTE, SIM Slot, TPM2.0

intel partner Titanium IoT Solutions

6 5G PoE+ 1 GbE 10.0 Gbit/s

General

Processor	- Intel Atom® C3758(8C) for ANS-8A64H/64G
	- Intel Atom® C3558(4C) for ANS-8A62H/62G
BIOS	AMI UEFI BIOS
Memory	2x DDR4 2400/2133 MT/s ECC & non-ECC SO-DIMM up to 32GB
Storage	- eMMC 5.0 16GB (Optional)
	- 1x SATA III port for SATADOM
Expansion	- 1x Half-size Mini-PCIe slot with PCIe and USB2.0 signals
	- 1x M.2 Key-B slot with PCIe and USB3.0 signals
	- 1x SIM slot
Security	TPM 2.0

Exteral I/O

Console	1x RJ45
USB	2x USB 3.0
Ethernet	12x GbE RJ45 (RTL8111H), 1x GbE RJ45 (Marvell 88E1514)
	2x SFP+ (From Intel Denverton)
PoE+ Ethernet (Optional)	12x GbE RJ45 PoE+

Mechanical

Dimension	210(W) X 165(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
	54V DC input (PoE+ model only)(Optional)