# ANS-9142S

## Compact System with Intel® Denverton C3436L(4C) / C3338R(2C) Processor for SD-WAN Solution



42mm
227mm
189mm

Combo Port — 1/2.5G Bypass — Antenna

IG Fiber / Copper — USB/Console/12VDC
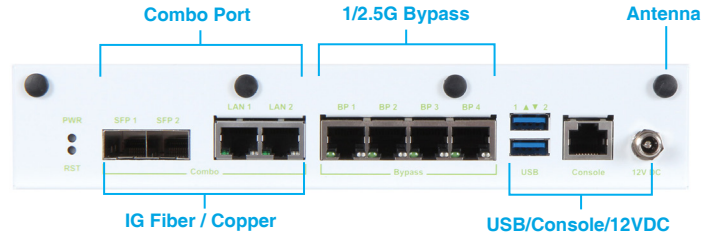
ANS-9142S series builds on Intel® Denverton C3436L / C3338R processor with up to four CPU cores. ANS Denverton Refresh series is a compact system with up to 2x combo ports, and 4x 1/2.5GbE ports with ETH bypass, it is suitable for SDN (SD-WAN) application with 5G and WiFi 6 deployment.

## FEATURES

- Intel Atom® C3436L(4C) / C3338R(2C) Processor (Denverton Refresh)
- 2x GbE ports and 2x 2.5GbE ports with ETH bypass , 2x Combo Ports
- 1x RJ45 Console, 2x USB3.0
- 1 x DDR4 1866 MT/s ECC and non-ECC SO-DIMM up to 32GB
- 1x TPM2.0(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 (SATA), and 1 x SATA Connector
- Design ready for 5G and WiFi 6 (802.11ax)



## ORDERING GUIDE

| AS1-3388 | (R).ANS-9142S. C3436L 4-Core. 2x 2.5GbE bypass, 2x GbE bypass, 2x Combo Port. |
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| AS1-3387 | (R).ANS-9141S. C3338R 2-Core. 2x 2.5GbE bypass, 2x GbE bypass, 2x Combo Port. |

## General

| Processor | - Intel® Denverton C3436L(4C) for ANS-9142S<br>- Intel® Denverton C3338R(2C) for ANS-9141S |
| --- | --- |
| 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)<br>- 1x M.2 Key-M slot with SATA signals<br>- 1x SATA III port for SATADOM |
| Expansion | - 1x M.2 Key-E slot with PCIe and USB2.0 signals<br>- 1x M.2 Key-B slot with PCIe and USB3.0 signals<br>- 2x SIM slots |
| Security | TPM 2.0 |

## External IO

| Console | 1x RJ45 |
| --- | --- |
| USB | 2x USB 3.0 |
| Ethernet | - 2x Combo GbE (Marvell 1543)<br>- 2x GbE with bypass<br>- 2x 2.5GbE with bypass |
| Combo Ethernet | - 2x GbE RJ45(Marvell 88E1543)<br>- 2x SFP (Marvell 88E1543) |
| Other | 8x SMA Antenna holes for WiFi or LTE/5G module |

## Power Adapter

| System | 40W/65W Power Adapter, 110-220V AC input, 12V DC output |
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## Mechanical

| Dimension | 227 (W) x 189 (D) x 42 (H) mm |
| --- | --- |
| Mounting | Desk, Wall mount |

## Environmental

| Operating Temperature | 0°C ~ 50°C |
| --- | --- |
| Storage Temperature | -10°C ~ 70°C |
| Relative Humidity | 10% ~ 90%@40°C, non-condensing |
| Certification | CE, FCC, LVD |

*All information provided is subject to change without notice. Last updated: November 8, 2024