

NA650 Series

Fanless Network Security Appliance
with Intel® Denverton Processors



- Intel® Denverton Processors, Atom™ C3000 Series
- 1x/2x DDR4 UDIMM Socket
- 6x GbE LAN for Ethernet
- 2 pairs of LAN bypass functionality support
- 2x USB3.0, 1x RS-232 for peripheral connection
- 1x 2.5" SATA HDD/SSD for storage
- 1x M.2 Key A, 1x M.2 Key B, 1x mSATA / mPCIe for expansion
- Friendly LED indicators



Product Overview

NW650 Series is a fanless network security appliance based on Intel® Denverton Processors. Equipped with six GbE LAN ports of which four support two pairs of LAN bypass functionality, NWA-6500 Series can instantly pass the link to the next

available paths in case of a single point of network failure. It is therefore suitable for the enterprises who want to build a network redundancy to ensure maximum uptime and availability for network-based applications.

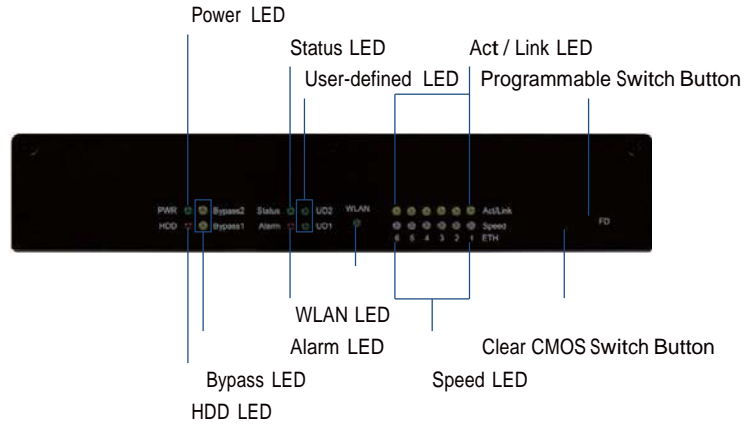
Technical Information

Processor	Intel® Atom™ C3338 (Dual Core, 4M Cache, up to 2.20 GHz, FCBGA1310, 9 W TDP) Intel® Atom™ C3538 (Quad Core, 8M Cache, up to 2.10 GHz, FCBGA1310, 15 W TDP)
Memory	1x DDR4 UDIMM (for Atom™ C3338, low-profile RAM allowed) 2x DDR4 UDIMM (for Atom™ C3538, low-profiled RAM allowed)
Graphic Controller	RDC® C6139
Display Interfaces	1x VGA (on rear, 1024 x 768 @ 60 Hz)
Ethernet	6x GbE LAN (on rear, LAN3 & LAN4 Bypass, LAN5 & LAN6 Bypass) LAN1 & LAN2: Intel® I210-AT LAN3 ~ LAN6: Intel® Denverton SoC Ethernet Controller
USB	2x USB3.0 (Type A on rear)
Serial Port	1x RS-232 (RJ45 on rear, console redirection support)
Storage & Expansion	1x 2.5" SATA HDD / SSD 1x mSATA / mPCIe (full size, mixed w/ PCIe1, SATA & USB 2.0) 1x M.2 Key A (mixed w/ PCIe1) 1x M.2 Key B (mixed w/ SATA & USB 2.0) 1x Micro SIM Card Holder
Power Supply	DC 12V ~ 19V for Lockable DC Jack (on rear) DC 19V ~ 36V for 2-pin Phoenix Connector (on rear)
Firmware	BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash WDT: Programmable WDT to generate system reset or LAN bypass H/W Monitor: Voltages, Temperatures Real Time Clock: SoC integrated RTC TPM: optional (Infineon SLB9665 TPM2.0)

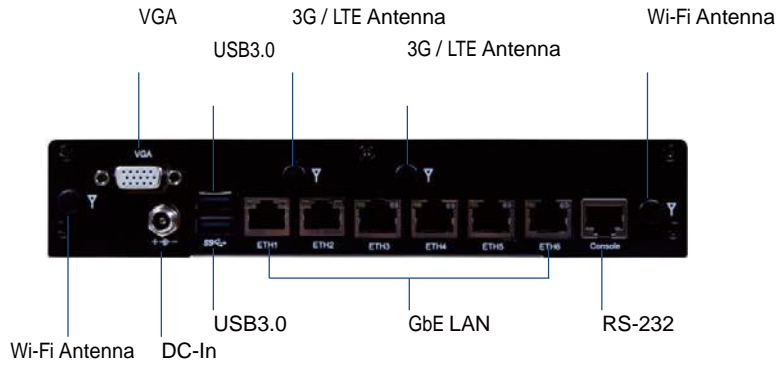
System Control & Monitoring	1x Programmable Switch Button (on front, GP input support) 1x Clear CMOS Switch Button (on front) 1x Power LED (on front, green) 1x HDD LED (on front, red) 1x Status LED for GP output (on front, green) 1x Alarm LED for GP output (on front, red) 2x Bypass LED (on front, yellow) 6x Act / Link LED for LAN1 ~ LAN6 (on front, yellow) 6x Speed LED for LAN1~LAN6 (on front, 10: off/ 100: green/ 1000: orange) 1x WLAN LED (on front, green) 2x User-defined LED (on front, green)
Cooling	Passive
OS Support	Windows Server, Linux
Construction	Aluminum Chassis
Dimension (W x D x H)	219 x 151 x 40 mm / 8.62" x 5.94" x 1.57" (model w/ DC Jack) 219 x 151 x 45 mm / 8.62" x 5.94" x 1.77" (model w/ Phoenix Connector)
Weight	1.42 kg / 3.13 lb (model w/ DC Jack) 1.62 kg / 3.57 lb (model w/ Phoenix Connector)
Environmental Characteristics	Operating Temperature: 0°C ~ 45°C / 32°F ~ 113°F Storage Temperature: -20°C ~ 80°C / -4°F ~ 176°F Humidity: 0% ~ 95%
Certification	CE, FCC Class A



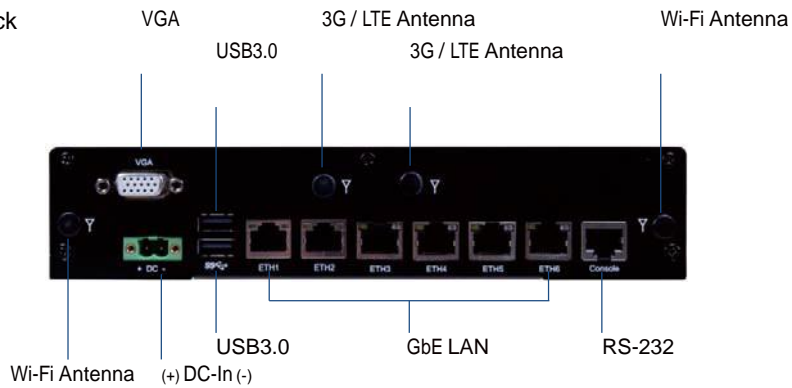
Front & Rear I/O Panels



Model w/ DC Jack

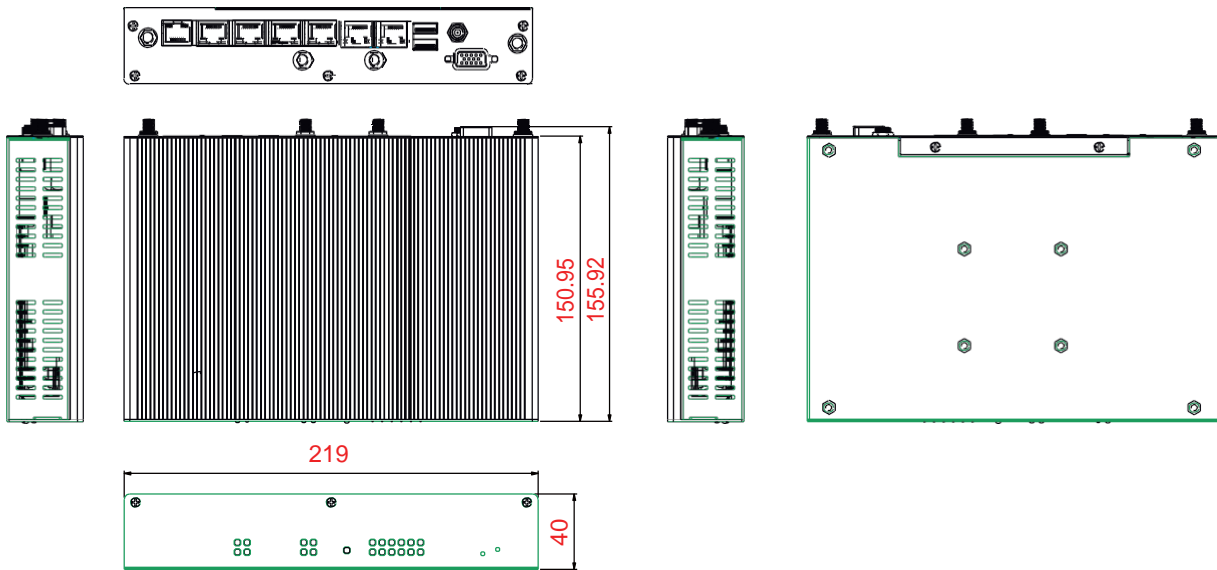


Model w/ Phoenix Jack

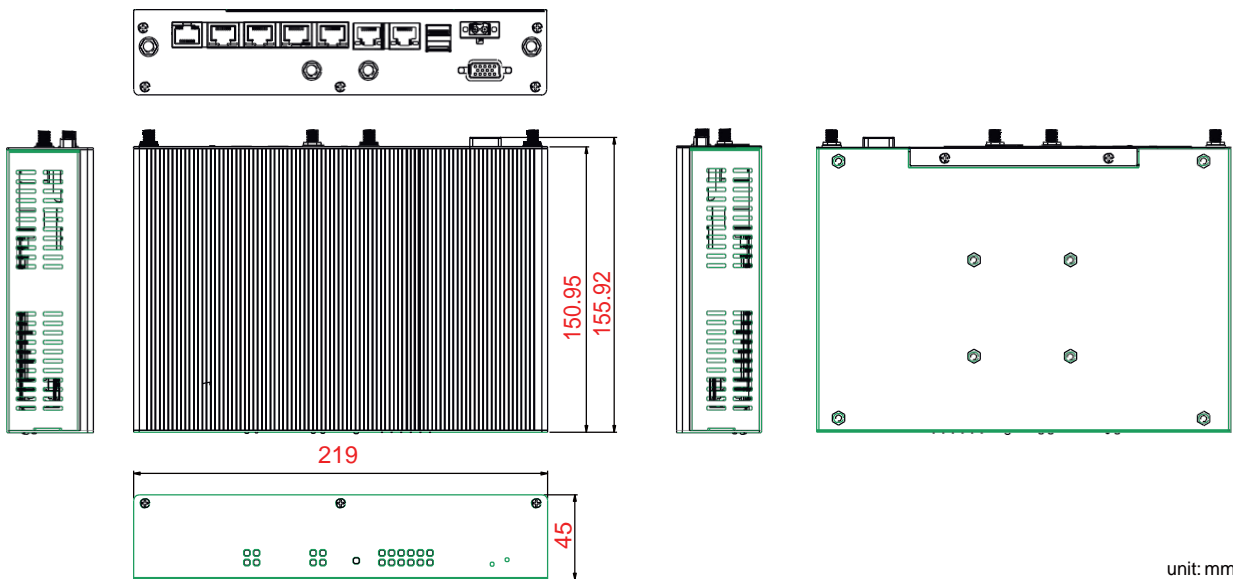


Mechanical Dimensions

Model w/ DC Jack



Model w/ Phoenix Jack



unit: mm

Ordering Information

Article	Description
NA650	Intel® Atom™ C3338, 1x DDR4 UDIMM, 1x VGA, 6x GbE, 2x USB3.0, 1x RS-232, 1x 2.5" SATA HDD / SSD, 1x mSATA / mPCIe, 1x M.2 Key A, 1x M.2 Key B, DC Jack 12V ~ 19V
NA650-1	Intel® Atom™ C3538, 2x DDR4 UDIMM, 1x VGA, 6x GbE, 2x USB3.0, 1x RS-232, 1x 2.5" SATA HDD / SSD, 1x mSATA / mPCIe, 1x M.2 Key A, 1x M.2 Key B, DC Jack 12V ~ 19V
NA650-2	Intel® Atom™ C3338, 1x DDR4 UDIMM, 1x VGA, 6x GbE, 2x USB3.0, 1x RS-232, 1x 2.5" SATA HDD / SSD, 1x mSATA / mPCIe, 1x M.2 Key A, 1x M.2 Key B, Phoenix Jack 19V ~ 36V
NA650-3	Intel® Atom™ C3538, 2x DDR4 UDIMM, 1x VGA, 6x GbE, 2x USB3.0, 1x RS-232, 1x 2.5" SATA HDD / SSD, 1x mSATA / mPCIe, 1x M.2 Key A, 1x M.2 Key B, Phoenix Jack 19V ~ 36V

