

VP-50 I

1U Rackmount Network Security Platform With
NXP LX2160 Series CPU



■ Features

- NXP LX2160 CPU
- DDR4 2900MHz SODIMM, Max. 64GB
- 8x 1GbE RJ45, 2x 10GbE RJ45, 2x 10GbE SFP+, 1x RJ45 Console Port, 1x USB 3.0, 1x NIC Slot
- 1x 2.5 Internal HDD/SSD Slot, 1x M.2 (SATA), 1x M.2 Slot For LTE/5G NR, SIM Slot
- 300W Single ATX PSU, 3x Smart Fans

■ Specifications

Processor System

CPU	NXP LX2160
Frequency	2.0GHz
Core Number	16
BIOS	AMI SPI Flash BIOS
Chipset	SoC
Memory	
Technology	DDR4 2900MHz SODIMM
Max. Capacity	64GB
Socket	2 x 260-pin SODIMM
Ethernet	
Controller	2 x Marvell 88E1543 2 x Marvell AQR113C
Speed	10/100/1000 Mbps
Interface	8 x 1GbE RJ45, 2 x 10GbE SFP+, 2 x 10GbE RJ45
Bypass	N/A
Storage	
Type	SATA
Installation	1 x 2.5" Internal
Onboard Slots	1 x M.2 2280 B Key (SATA Signal)
I/O	
Reset Button	1 x Reset Button, Software Reset
Console	1 x RJ45
USB	USB 3.0 x 1
IPMI	N/A
Display	N/A
Expansion	
PCIe	N/A

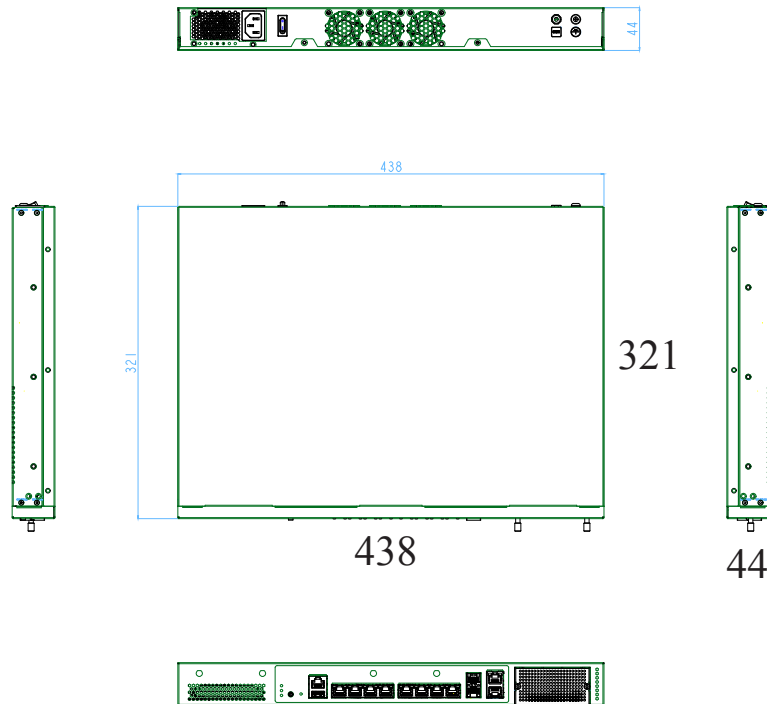
PCI	N/A
Mini-PCIe/M.2	LTE/5G NR
SIM	Yes (Dual SIM Support)
Cooling	
Processor	Passive CPU Heatsink
System	3 x Smart Fans
Environment	
Operating Temperature	0 ~ 40°C
Storage Temperature	-40 ~ 70°C
Relative Humidity	5% ~ 90%, Operating 5% ~ 95%, Non-operating
Miscellaneous	
LCD Module	N/A
Watchdog Timer	Yes
Internal RTC with Li Battery	Yes
Mechanical	
Fanless	No
Dimension (W x H x D)	438 x 321 x 44 mm
Weight	TBD
Mounting	Rackmount
Power	
Type / Watts	300W Single ATX PSU
Input	AC 100~240V@60~50 Hz
Driver Support	
Microsoft Windows	N/A
Linux	Linux
Certification	
EMC	CE/FCC Class A, UKCA
Safety	RoHS, UL

Product I/O View



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|----------------------------|--------------------------|---------------------------|--------------|
| A Reset Button | D 2 x 10 GbE SFP+ | G 3 x Cooling Fans | J PSU |
| B Console / USB 3.0 | E 2 x 10 GbE RJ45 | H Power Switch | |
| C 8 x 1 GbE RJ45 | F NIC Slot | I Power Inlet | |

Dimensions (W x H x D) 438 x 321 x 44 mm



Ordering Information

VP-501A NXP LX2160 SoC, 8x 1GbE RJ45, 2x 10GbE SFP+, 2x 10GbE RJ45, 1x NIC Slot (PCIe*8 or 2x PCIe*4), 300W PSU

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contact@lannerinc.com | www.lannerinc.com