

Network Security & Management

CAR-2090

Intel Coffee Lake Platform,
1U Network Appliance



Key Features

- Intel® Comet Lake S family processors, up to 95W TDP
- 1 x RJ-45 and USB type C System Console Port
- 2 x DDR4 2400/2666/2933MHz ECC/non ECC UDIMMs, up to 64GB
- 2x USB 3.0, 1x RJ45 Console supported
- 2x Pair Bypass 3.0 supported
- 6 x GbE copper onboard, can expand 2 more extra ports for GbE copper or SFP
- 150W ATX PSU
- Daughter board for 4x copper or 4x SFP expansion



Supported CPU List

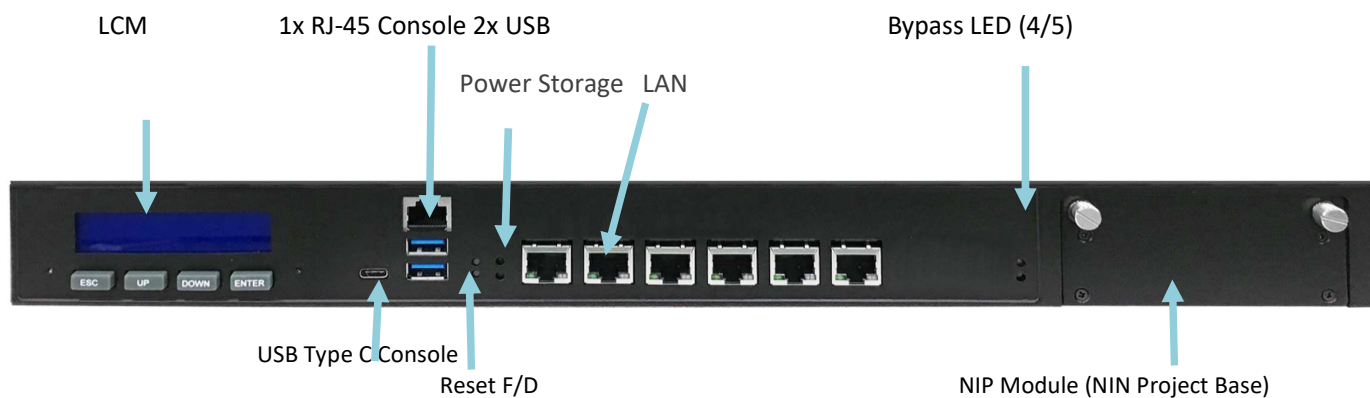
CPU	Chipset	Base Freq	Cores	Threads	ECC RAM support
Xeon W-1290E	W480E	3,5GHz	10	20	Yes
Xeon W-1270E	W480E	3,4GHz	8	16	Yes
Xeon W-1250E	W480E	3,5GHz	6	12	Yes
i9-10900E	W480E	2,8GHz	10	20	No
	H420E				
i7-10700E	W480E	2,9GHz	8	16	No
	H420E				
i5-10500E	W480E	3,1GHz	6	12	No
	H420E				
i3-10100E	W480E	3,2GHz	4	8	Yes
	H420E				No
G6400E	H420E	3,8GHz	2	4	No
G5900E	H420E	3,2GHz	2	2	No

Hardware Specification

	SKU A	SKU B
Platform	H420E	W480E
Processor	Intel® Comet Lake-S platform Core i series Processor LGA1200 up to 10 Cores and 95W TDP	
Chipset	Intel H420E PCH	Intel W480E PCH
System Memory	2 x DDR4 2400/2666/2933MHz UDIMMs, up to 64 GB (Freq/ECC depends on PCH/CPU SKU)	
Onboard Ethernet Port	6 x RJ45 GbE Ports	6 x RJ45 GbE Ports
Bypass	2x Segment Bypass 4.0	
Expansion	1x PCIe Gen3 x 8 for CASwell NIP (NIN project base)	1x PCIe Gen3 x 8 for CASwell NIP (NIN project base)
Storage Device	1x M.2 B+M key 2242 (SATA3.0 or PCIe gen3 x4) 4x SATA3.0 (1 with SATADOM Power)	
Power Supply	150W ATX PSU	
Dimension (WxDxH)	438X344.4X44(mm)	
Weight (KG)	System: TBD System with package: TBD	
I/O		
Serial Port	1 x RJ-45 System Console Port	
USB Port	Front: 2 x USB 3.0 Ports, Rear: 1x USB 3.0 header	
LCD Panel	1 x EZIO-38x	
LED	Power / HDD / Bypass	
TPM	1 x Header	
Operation & Certifications		
Operating Environment	Temperature: 0 - 40°C (32 - 104°F) Humidity: 10 - 90% RH	
Storage Environment	Temperature: -10 - 70°C (14 - 158°F) Humidity: 5 - 95% RH @ 55°C	
Certification	CE/FCC	
OS Support	Linux Kernel	

Panel & Dimensions

H420 SKU



W480E SKU



iSAM SKU

