

Network Appliance PUZZLE Series



PUZZLE-A001 with AMD Solution

EPYC Embedded 3000 Family



Networking Appliance Revolution 1



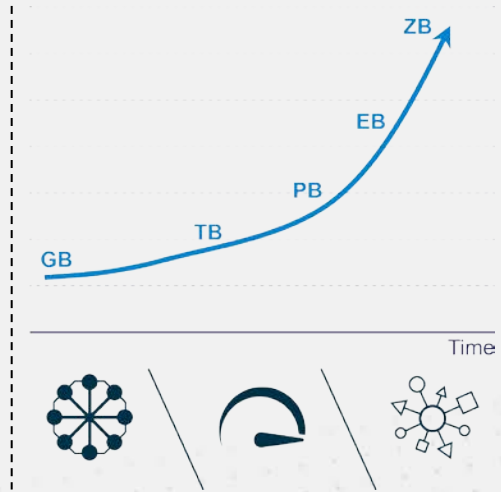
IoT



Industrial 4.0



5G



Demanding comes from

Data acquisition for analytics

Software operation performance

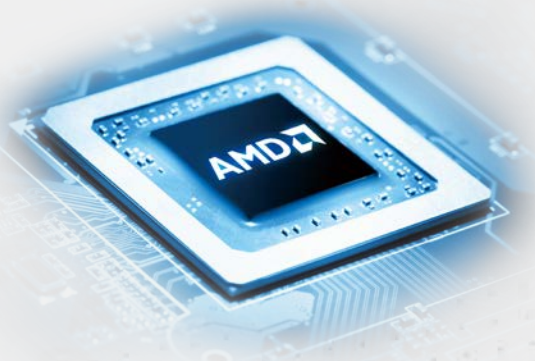
Full connectivity for all devices

Low total cost of ownership (TCO)

Networking Appliance Revolution 2

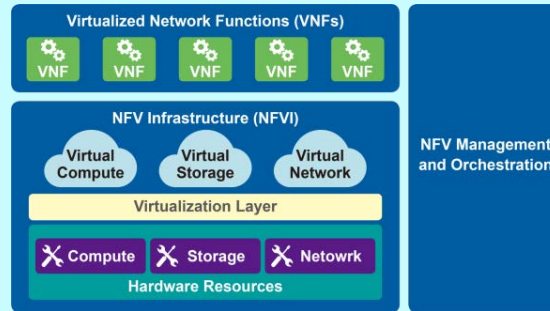
Technology proposition

- Virtualization technology
- Data plane technology
- VNFs in one single hardware
- Easy to deploy

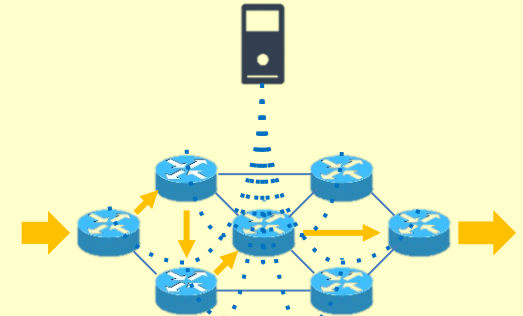


Next Gen Network Infrastructure

NFV + SDN



Virtual Compute

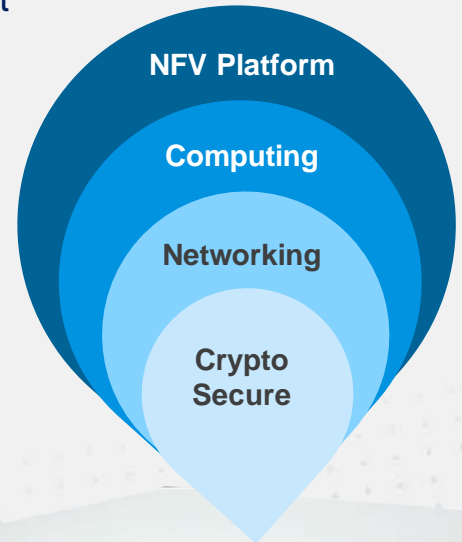


Network Reachability

EPYC 3000 Value Proposition

More speedy, more Ethernet throughput and more secured with less cost

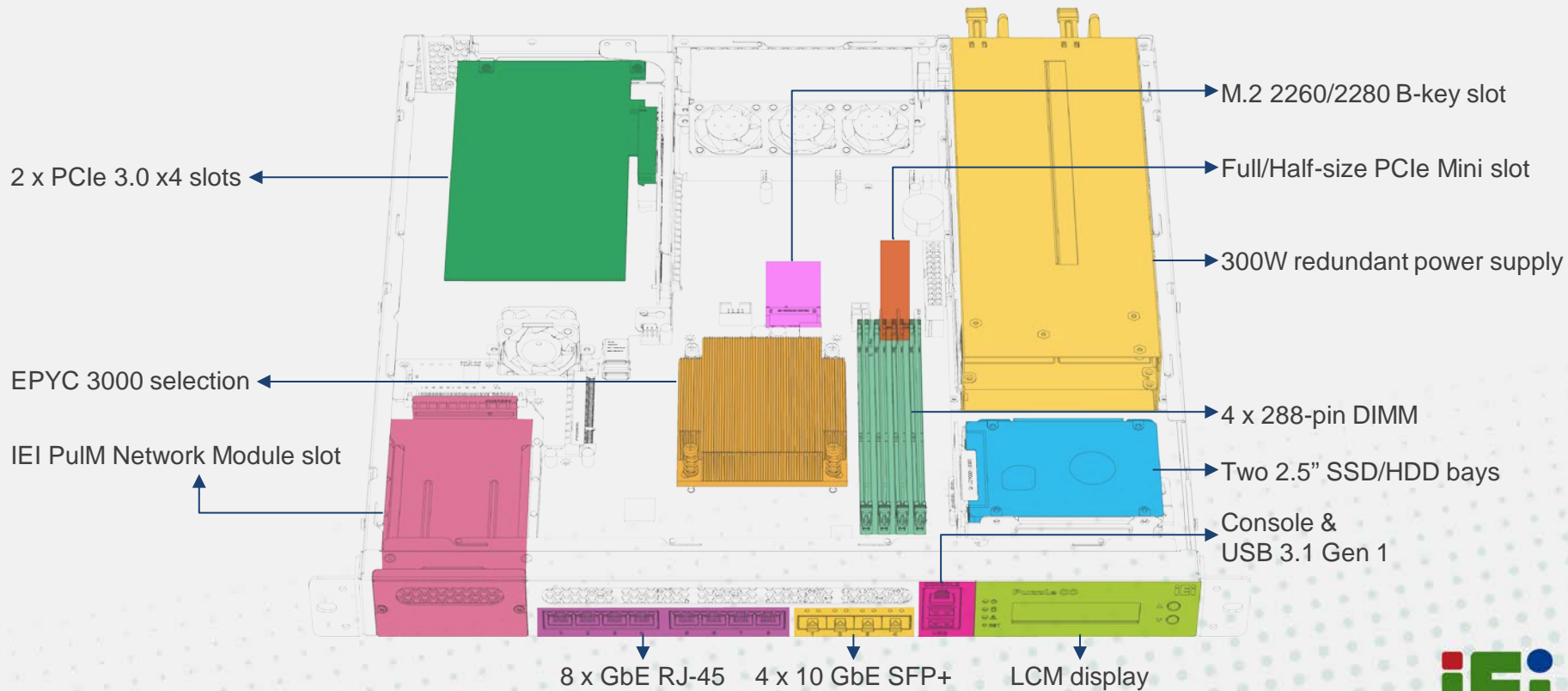
	EPYC 3151	Xeon D-1527
Cores / Threads	4C / 8T	4C / 8T
TDP (W)	45	35
Base freq./Turbo (GHz)	👍 2.7 / 2.9	2.2 / 2.7
L3 Cache (Mbyte)	16	6
DDR4 channel / freq. (GHz)	👍 2 / 2666	2 / 2133
PCIe lanes (Gen 3)	👍 32	32
Ethernet – 10GbE	👍 8 ¹	2
Secure boot	👍 Supported	Not available
Crypto	👍 SME ² / SEV ³	Not available



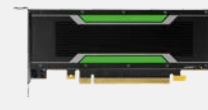
▲ PUZZLE-A001



PUZZLE-A001 Specification Overview

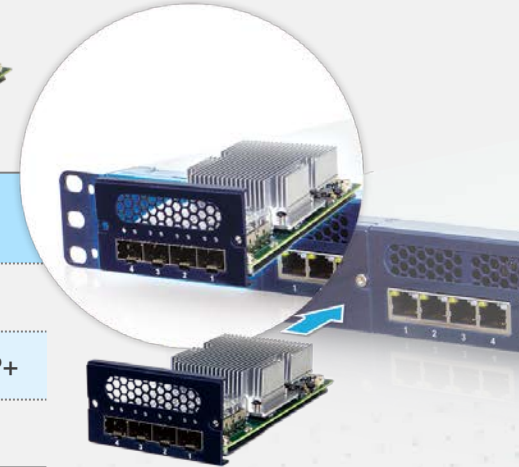


PCIe Expansion Card



P/N	QNAP QM2-2P-384 QNAP QM2-2P-344	IEI GPOE-4P-R10 IEI GPOE-2P-R10	IEI Mustang-F100-A10	IEI Mustang-V100-MX8	NVIDIA® TESLA® P4	GT1030
Description	Dual M.2 PCIe SSD expansion card	2-port/4-port PoE card	FPGA card	VPU card	Inferencing accelerator card	GPU card
Form Factor/ Interface	Low-Profile PCIe 3.0 x8	Low-Profile PCIe x1	Low-Profile PCIe 3.0 x8	Low-Profile PCIe 2.0 x4	Low-Profile PCIe 3.0 x16	Low-Profile PCIe 3.0 x4

Network Module Card



P/N	PuIM-25G2SF-MLX	PuIM-10G4SF-XL710	PuIM-10G4SF-MLX (Mellanox)
NIC Brand	Mellanox	Intel	Mellanox
Form Factor Interface	Dual-port 25GbE SFP28	Quad-port 10GbE SFP+	Quad-port 10GbE SFP+
Description	PCIe 3.0 x8	PCIe 3.0 x8	2 x PCIe 3.0 x4

Ordering Information

PUZZLE-A001-SO2/R-R10

1U Rackmount Network Appliance with AMD EPYC™ Embedded 3201 processor, four DDR4 slots, two 2.5" SATA bay, four 10 GbE SFP+, eight 1GbE, one PuIM, two PCIe expansion, Redundant Power, RoHS

PUZZLE-A001-SO3/R-R10

1U Rackmount Network Appliance with AMD EPYC™ Embedded 3151 processor, four DDR4 slots, two 2.5" SATA bay, four 10 GbE SFP+, eight 1GbE, one PuIM, two PCIe expansion, Redundant Power, RoHS

PUZZLE-A001-SO2/16G/R-R10

1U Rackmount Network Appliance with AMD EPYC™ Embedded 3201 processor, 16GB DDR4, two 256GB SSD, four 10 GbE SFP+, eight 1GbE, one PuIM, two PCIe expansion, Redundant Power, RoHS

PUZZLE-A001-SO3/16G/R-R10

1U Rackmount Network Appliance with AMD EPYC™ Embedded 3151 processor, 16GB DDR4, two 256GB SSD, four 10 GbE SFP+, eight 1GbE, one PuIM, two PCIe expansion, Redundant Power, RoHS



▲ PUZZLE-A001



