



HPES-32P100

1U 32 ports 100G Ethernet switch
Open Ethernet available with ONIE and SONiC



1 Key Feature

- i. 3.2T Layer 2 & Layer 3 Programmable Switch
- ii. Deploy as spine switch supporting 40, 50, or 100 GbE ToR and spine interconnects
- iii. Supports multicast, cut-through, and store-and-forward with best-in-class cut-through latency.
- iv. Large table resources with flexible allocation across L2, IPv4 and IPv6
- v. Extensive tunneling capabilities such as IP-in-IP, GRE, MPLS, VXLAN and Geneve.
- vi. Advanced QoS/traffic management feature set such as DCB, RoCE v2
- vii. IEEE 1588 v2 timing synchronization required in 5G and other service provider infrastructure
- viii. Fully SW and architecture compatibility with Hot-swappable, load-sharing, redundant AC or -48V DC or 12V DC PSUs

2 Specifications

SYSTEM

System Power (min/max)	~330W-500W
System Operating Temperature range	0-40 Degree Celsius
System Latency (for 64b/range)	555ns/520ns~580ns

I/O port

Data plane ports (formfactor/quantity)	QSFP28/32
Data plane portconfig/modes supported	100/50/40/25
OOB port	1/RJ45
Console	1/RJ45 Formfactor
USB I/F	1/Type A
BMC Port	Optional (Share with OOB)
LEDs (System, Port, etc.)	System, Diag mode, OOB Link, Per PSU connected, Per Port link speed

POWER

SUPPLY(PS)INFO

PS Redundant (Y/N)/Quantity	Dual redundant MIL-STD-461
PS Input (AC/DC)	AC, DC
PS Input Voltage	36V-72V (48V)or 18V-36V(24V)
PS Input Frequency	50-60Hz
PS Efficiency	93%
PS Hot Swappable	YES

SOFTWARE

OCP Compliance	Yes
ONIE support with version	ONIE-2019.05 and Upper
SONiC support with version	
BMC support (Yes/No)	Yes (Optional)
BMC vender/family/model	ASPEED/AST2520

MECHANICAL

Rack-Mountable Width	19inch
Dimension(W x D x H)	440 x 470 x 44mm
Weight	10.6 kg

