



HPES-24P25-D

16 Ports 25G/8 Ports 100G Ethernet switch

Extended Temperature -20°C ~+70°C



Key Features

- 2.0T Layer 2 & Layer 3 Programmable Switch with 16 Ports 25G 8 Ports 100G uplink
- Supports multicast, cut-through, and store-and-forward with best-in-class cut-through latency.
- Large table resources with flexible allocation across L2, IPv4 and IPv6
- Extensive tunneling capabilities such as IP-in-IP, GRE, MPLS, VXLAN and Geneve.
- Advanced QoS/traffic management feature set such as DCB, RoCE v2
- IEEE 1588 v2 timing synchronization required in 5G and other service provider infrastructure
- Fully SW and architecture compatibility with Hot-swappable, load-sharing, redundant MIL-STD-461 DC to DC 18V~36V 600W PSUs
- Open Ethernet available with ONIE and SONiC

2 Specifications

SYSTEM

System Power (min/max)	600W
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System Operating Temperature range	-20°C ~ +70°C
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System Latency	450ns
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I/O port

Data plane ports (form factor/quantity)	SFP28/16, QSFP28/8
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Data plane port config/modes supported	100/40/25/10
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Connectors	MIL-DTL-38999
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OOB port	1/RJ45
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Console	1/RJ45 Form Factor
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USB I/F	1/Type A
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BMC Port	Optional (Share with OOB)
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LEDs (System, Port, etc.)	System, Diag mode, OOB Link, Per PSU connected, Per Port link speed
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POWER

SUPPLY(PS)INFO

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

FAN

Fans Redundant/Quantity	YES/4
Fans Reversible (F-R, R-F)	F-R, R-F
Fans Hot Swappable	YES

SOFTWARE

OCP Compliance	YES
ONIE support with version	ONIE-2019.05 and Upper
SONiC	201811 and upper
BMC support (Yes/No)	Yes (Optional)
BMC vender/family/model	ASPEED/AST2520

MECHANICAL

Rack-Mountable Width	19 inch
Dimension(W x D x H)	440 x 470 x12mm
Weight	12kg