



LAND



SEA



AIR



HPES-48P25

1U 48 Ports 25G & 8 PORTS 100G Ethernet switch

Extended Temperature -20°C ~+70°C



Key Features

- 2.0T Layer 2 & Layer 3 Programmable Switch with 48 Ports 25G
- 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
System Operating Temperature range	-20°C ~ +70°C
System Latency	450ns

I/O port

Data plane ports (form factor/quantity)	SFP28/48, QSFP28/8
Data plane port config/modes supported	100/40/25/10
OOB port	1/RJ45
Console	1/RJ45 Form Factor
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)	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 x 44mm
Weight	12kg

