Huawei CloudEngine Series Data Center Switch Portfolio

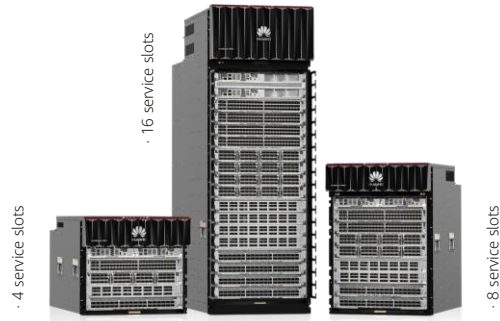## CloudEngine 16800-X: Industry's First Data Center Switch Built for Diversified Computing Power

2023 H2 NEW

- 16 service slots
- 4 service slots
- 8 service slots

CloudEngine 16800-X Series

Ultra-high convergence:
Converged bearer of diversified computing power, reducing TCO by 36%

Ultra-fast network:
Application acceleration in all scenarios, improving performance by 20%

Ultra-high performance:
800GE-ready ultra-broadband, facilitating smooth evolution in the next 10 years

CloudEngine 16800: Core Data Center Switch Built for the AI Era

- 400GE smooth evolution
- Innovative iLossless algorithm, providing real-time learning and training of network-wide traffic and implementing auto-sensing and auto-optimization of the traffic model
- Zero packet loss, unleashing 100% AI computing power

CloudEngine 16816
- 16 service slots
- Switching capacity: 714 Tbps/1548 Tbps
- Packet forwarding rate: 45,120 Mpps

CloudEngine 16808
- 8 service slots
- Switching capacity: 357 Tbps/774 Tbps
- Packet forwarding rate: 22,560 Mpps

CloudEngine 16804
- 4 service slots
- Switching capacity: 179 Tbps/387 Tbps
- Packet forwarding rate: 11,280 Mpps

CloudEngine 9800

NEW

CloudEngine 9860-4C-EI-A
- Four full-width flexible line cards
- 32-port 100GE/40GE, 8-port 400GE line card
- 25.6 Tbps switching capacity
- 8000 Mpps forwarding performance

- Feature-rich: M-LAG, telemetry, and ZTP
- Strict rear-to-front airflow

CloudEngine 8850: 100GE

CloudEngine 8851-32CQ8DQ-P
- 32 x 40GE/100GE QSFP28 or 32 x 200GE QSFP56 ports + 8 x 400GE QSFP-DD ports
- 19.2 Tbps switching capacity
- 4350 Mpps forwarding performance

- Rich data center features: M-LAG, VXLAN, and BGP EVPN
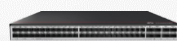- Telemetry and PTP

CloudEngine 8850-64CQ-EI
- 64 x 100GE QSFP28 ports
- 12.8 Tbps switching capacity
- 4482 Mpps forwarding performance

- Rich data center features: M-LAG, VXLAN, BGP EVPN, and iStack
- Telemetry

CloudEngine - SAN Series Storage Network Switches

CloudEngine 6860-SAN
- 48 x 25GE SFP28 or 48 x 50GE SFP56 ports + 8 x 100GE QSFP28 or 8 x 200GE QSFP56 ports
- 8 Tbps Tbps switching capacity
- 2175 Mpps forwarding performance

- Innovative iLossless algorithm, enabling lossless Ethernet
- Active-active all-Ethernet NoF+, 93% higher IOPS than FC
- Proactive detection of network-wide paths and real-time monitoring of network health
- Centralized storage scenario, adaptation to the Nof+ solution

CloudEngine 8850-SAN
- 32 x 100GE QSFP28 or 32 x 200GE QSFP56 ports + 8 x 400GE QSFP-DD ports
- 19.2 Tbps switching capacity
- 4350 Mpps forwarding performance

- Innovative iLossless algorithm, enabling lossless Ethernet
- Unique iNOF feature: plug-and-play and proactive switchover between active and standby servers
- Proactive detection of network-wide paths and real-time monitoring of network health
- Centralized storage scenario, adaptation to the Nof+ solution

CloudEngine 6800: 25GE

CloudEngine 6863E-48S6CQ
- 48 x 10/25GE SFP28 ports + 6 x 100GE QSFP28 ports
- 3.6 Tbps switching capacity
- 940 Mpps forwarding performance

- Rich data center features: VXLAN, BGP EVPN, iStack, and M-LAG
- Telemetry, microsegmentation, and NSH

CloudEngine 6866-48S8CQ-P
- 48 x 10GE/25GE SFP28 or 48 x 50GE SFP56 ports* + 8 x 40GE/100GE QSFP28 or 8 x 200GE QSFP56 ports*
- 8 Tbps switching capacity
- 2175 Mpps forwarding performance

- Rich data center features: VXLAN, BGP EVPN, and M-LAG
- Standard and open NETCONF interfaces
- Telemetry and PTP

CloudEngine 6863H-48S6CQ
- 48 x 10/25GE SFP28 ports + 6 x 100GE QSFP28 ports
- 3.6 Tbps switching capacity
- 954 Mpps forwarding performance

- Rich data center features: VXLAN, BGP EVPN, M-LAG
- Telemetry, PTP

CloudEngine 6800: 10GE

CloudEngine 6820H-48S6CQ
- 48 x 10GE SFP+ ports + 6 x 100GE QSFP28 ports
- 2.46 Tbps/40.96 Tbps switching capacity
- 470 Mpps forwarding performance

- Rich data center features: M-LAG
- Telemetry

CloudEngine 6870-48S6CQ-EI-A
- 48 x 10GE SFP+ + 6 x 40/100GE QSFP28
- 2.16 Tbps switching capacity
- 720 Mpps forwarding performance
- Hardware buffer: 8GB

- Rich data center features: VXLAN, BGP EVPN, iStack, and M-LAG
- Telemetry, detecting network health in real time

CloudEngine 6881-48S6CQ
- 48 x 10GE SFP+ ports + 6 x 100GE QSFP28 ports
- 2.16 Tbps switching capacity
- 940 Mpps forwarding performance

- Rich data center features: VXLAN, BGP EVPN, M-LAG, and iStack
- Telemetry, microsegmentation, and NSH

CloudEngine 6881-48T6CQ
- 48 x 10GE electrical ports + 6 x 100GE QSFP28 ports
- 2.16 Tbps switching capacity
- 940 Mpps forwarding performance

- Rich data center features: VXLAN, BGP EVPN, iStack, and M-LAG
- Standard and open NETCONF interfaces
- Telemetry, detecting network health in real time

CloudEngine 6881H-48S6CQ
- 48 x 10GE SFP+ 6 x 40/100GE QSFP28
- 2.16 Tbps switching capacity
- 954 Mpps forwarding performance

- Rich data center features: VXLAN, BGP EVPN and M-LAG
- Telemetry and PTP

CloudEngine 6881H-48T6CQ
- 48 x 10GE electrical ports + 6 x 100GE QSFP28 ports
- 2.16 Tbps switching capacity
- 954 Mpps forwarding performance

- Rich data center features: VXLAN, BGP EVPN and M-LAG
- Telemetry

CloudEngine -HAM Series
High Availability Multicast Switch

CloudEngine 6860-HAM
- 48 x 10GE/25GE SFP28 or 48 x 50GE SFP56 ports + 8 x 40GE/100GE QSFP28 or 8 x 200GE QSFP56 ports
- 8 Tbps switching capacity
- 2175 Mpps forwarding performance

*Port rate that can be reached with the RTU license

- Reliable multicast: 32,000 multicast entries, MoFRR
- Rich data center features: VXLAN, BGP EVPN, and M-LAG
- Standard and open NETCONF interfaces
- Telemetry, detecting network health in real time
- Multicast high-reliability scenarios

CloudEngine 8850-HAM
- 32 x 40GE/100GE QSFP28 or 32 x 200GE QSFP56 ports + 8 x 400GE QSFP-DD ports
- 19.2 Tbps switching capacity
- 4350 Mpps forwarding performance

- Reliable multicast: 32k multicast entries, MoFRR
- Rich data center features: VXLAN, BGP EVPN, and M-LAG
- Standard and open NETCONF interfaces
- Telemetry, detecting network health in real time
- Multicast high-reliability scenarios

CloudEngine 5800: GE

CloudEngine 5882-48T4S
- 48 x GE BASE-T ports + 4 x 10GE SFP + ports
- 336 Gbps switching capacity
- 252 Mpps forwarding performance

- iStack
- Functioning as the out-of-band management switch only

Winning the Highly Coveted Industry Awards

Interop Best of Show Award
CloudEngine DC Storage Network Switches
OceanStor Dorado All-Flash Storage Systems

Industry's First EAL4+ Certification
COMMON CRITERIA CERTIFIED EAL4+
CloudEngine 16800, 8800, and 6800 series switches: EAL4+ certification

CloudFabric 3.0 Awards
Gartner peerinsights customers' choice 2020
Gartner Peer Insights Customers' Choice for three consecutive times