CE5855-EI-F-B01(02350GUA)
Datasheet

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Overview

Huawei CE5855-EI-F-B01 provides 24 * GE line-speed ports plus 4 * 10 GE and 2 * 40G upstream ports for stacking up to 16 switches. 10 GE and 40G ports enable creation of a non-blocking stack that can extend across geographical distances between data centers. Using the Huawei VRP8 software platform, CE5800 switches support Transparent Interconnection of Lots of Links (TRILL) and have a high stacking capability (up to 16-member switches in a stack system). In addition, the airflow direction (front-to-back or back-to-front) can be changed. CE5800 switches can work with CE12800 switches to build an elastic, virtualized, high-quality fabric that meets the requirements of cloud-computing data centers. CE5800 switches provide high-density GE access to help enterprises build a scalable data center network platform for cloud computing. They can also be used as aggregation or access switches for enterprise campus networks.

Quick Specification

Figure 1 shows the appearance of CE5855-EI-F-B01.

Table 1 shows the Quick Specs.

Model	CE5855-EI-F-B01
Part Number	02350GUA
Software Version	V100R005C10 and later
Base-T Ports	24
SFP+ Ports	4
QSFP+ Ports	2
Switching Capacity	288 Gbit/s
Forwarding Rate	215 Mpps
Power module type	Pluggable AC or DC power module, 1+1 backup supported
Rated voltage range Maximum power consumption	100 V AC to 240 V AC, 50/60 Hz -48 V DC to -60 V DC 75W
Airflow	Front-to-back or back-to-front, depending on the fan modules and power modules used in the chassis
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm

Weight (fully loaded)	8.1 kg (17.8 lb)

Product Details

Figure 2 shows the CE5855-EI-F-B01 rear view (port side).

Note:

①	Twenty-four 10/100/1000BASE-T Ethernet electrical ports
②	Four 10GE SFP+ Ethernet optical ports
③	Two 40GE QSFP+ Ethernet optical ports

Figure 3 shows the CE5855-EI-F-B01 front view (power supply side).

Note:

①	Power supply slot 1
②	Fan slot 1
③	Console port
④	Barcode label
⑤	Fan slot 2
⑥	Power supply slot 2
⑦	USB port
⑧	ETH management port (RJ45)

The Modules, Cards

Table 2 shows the recommended elements for the CE5855-EI-F-B01.

Model	Description
GE-SFP optical transceiver	
eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, LC)
SFP-GE-LX-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)
S-SFP-GE-LH40-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 40km, LC)
S-SFP-GE-LH40-SM1550	Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 40km, LC)
10G-SFP+ optical transceiver	
SFP-10G-USR	10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)
OMXD30000	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
CFP-100G-ER4	High Speed Transceiver, CFP,100G, Single-mode Module(1310nm band,4*25G,40km,stright LC)
GE copper transceiver	
SFP-1000BaseT	Electrical Transceiver, SFP, GE, Electrical Interface Module (100m, RJ45)
FAN-040A	
FAN-040A-F	Huawei Fan box (F, FAN panel side intake) FAN-040A-F
FAN-040A-B	Huawei Fan box (B, FAN panel side exhaust) FAN-040A-B

Compare to Similar Items

Table 3 shows the comparison of CE5855-EI-F-B01 and CE5855-48T4S2Q-EI-B.

Product Code	CE5855-EI-F-B01	CE5855-48T4S2Q-EI-B
Software Version	V100R005C10 and later	V100R005C10 and later
Base-T Ports	24	48
SFP+ Ports	4	4
QSFP+ Ports	2	2
Switching Capacity	288 Gbit/s	336 Gbit/s
Forwarding Rate	215 Mpps	252 Mpps
Maximum power consumption	75W	103W

Get more information:

Do you have any question about the CE5855-EI-F-B01(02350GUA)?

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Specification:

CE5855-EI-F-B01 Specifications	
Base-T Ports	24
SFP+ Ports	4
QSFP+ Ports	2
Switching Capacity	288 Gbit/s
Forwarding Rates	215 Mpps
Airflow Design	Front-to-back or back-to-front
Device Virtualization	iStack
	Super Virtual Fabric (SVF)
Network Virtualization	M-LAG
	TRILL (CE5855 & CE5850)
Programmability	Open Programmability System (OPS)
Traffic Analysis	NetStream
	sFlow
VLAN	Adding access, trunk, and hybrid interfaces to VLANs
	Default VLAN
	QinQ
	MUX VLAN
	GVRP
ACL	ingress: 4.5k
	egress: 1k
MAC Address Table	maximum: 64k
	Dynamic learning and aging of MAC addresses
	Static, dynamic, and black hole MAC address entries
	Packet filtering based on source MAC addresses
	MAC address limiting based on ports and VLANs
ARP (maximum)	54k
ND (Maximum)	16k
IPv4 FIB (maximum)	32k
IP Routing	IPv4 routing protocols, such as RIP, OSPF, BGP, and IS-IS
	IPv6 routing protocols, such as RIPng, OSPFv3, IS-ISv6, and BGP4+
IPv6 FIB (maximum)	16k
IPv6	IPv6 Neighbor Discovery (ND)
	Path MTU Discovery (PMTU)
	TCP6, ping IPv6, tracert IPv6, socket IPv6, UDP6, and Raw IP6
Multicast FIB (maximum)	2k
Multicast	IGMP, PIM-SM, PIM-DM, MSDP, and MBGP
	IGMP snooping
	Fast leave of multicast member interfaces
	Multicast traffic suppression

	Multicast VLAN
Reliability	LACP
	STP, RSTP, VBST, MSTP
	BPDU protection, root protection, and loop protection
	Smart Link and multi-instance
	DLDP
	ERPS (G.8032)
	VRRP, VRRP load balancing, and BFD for VRRP
	BFD for BGP/IS-IS/OSPF/Static route
QoS	Traffic classification based on Layer 2 headers, Layer 3 protocols, Layer 4 protocols, and 802.1p priority
	Actions of ACL, CAR, re-marking, and scheduling
	Queue scheduling algorithms, including PQ, WRR, DRR, PQ + WRR, and PQ + DRR
	Congestion avoidance mechanisms, including WRED and tail drop
	Traffic shaping
Configuration and Maintenance	Console, Telnet, and SSH terminals
	Network management protocols, such as SNMP v1/v2c/v3
	File upload and download through FTP and TFTP
	BootROM upgrade and remote upgrade
	802.3az Energy Efficient Ethernet (EEE)
	Hot patches
	User operation logs
	Zero-Touch Provisioning (ZTP)
Security and Management	802.1x authentication
	Command line authority control based on user levels, preventing unauthorized users from using commands
	DoS, ARP, and ICMP attack defenses
	Port isolation, port security, and sticky MAC
	Binding of the IP address, MAC address, interface number, and VLAN ID
	Authentication methods, including AAA, RADIUS, and HWTACACS
	Remote Network Monitoring (RMON)
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Weight (fully loaded)	8.1 kg (17.8 lb)
Environmental Parameters	Operating temperature: 0°C to 40°C (32°F to 104°F) (0m to 1,800m)
	Storage temperature: -40°C to 70°C (-40°F to 158°F)
	Relative humidity: 5% to 95%, non-condensing
Operating Voltage	AC: 90V to 264V
	DC: -38.4V to -72V
Maximum Power Consumption	75W

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