

## Datasheet

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## Overview

Huawei ME60-X3 DC bundle includes assembly chassis ME0B0BKPD330, 2xME0D00MPUD72 main processing board, 2xDC power module

## Quick Specification

Model	ME60-X3 DC
Part Number	02351954
Switching Capacity	1.08 Tbit/s
Forwarding Performance	360 Mbit/s
Number of Slots	5 slots, including 3 LPUs and 2 SRUs
Dimensions (H x W x D) mm	175 (H)x 442 (W) x 650 (D)
Empty chassis Weight(kg)	21
Full Configuration Weight(kg)	42 kg (100G)

## Product Details:

### Huawei ME60-X3 DC

Huawei ME60-X3 DC bundle including assembly chassis ME0B0BKPD330, 2xME0D00MPUD72 main processing board, 2xCR52-PWRB-DC DC power module

3 slots, 4U height, support 120G board

2\*MPU, control and switch in one board

Support 100/10GE, GE/FE, STM-x

Support a maximum of 3x100GE ports, or 36x10GE ports

Support the maximum of 256K concurrent subscribers, 4096 subscribers come with the ME60 by default.

Hot backup technology, Integrated BRAS, routing, NAT, etc

Switching Capacity: 1.08 Tbit/s.

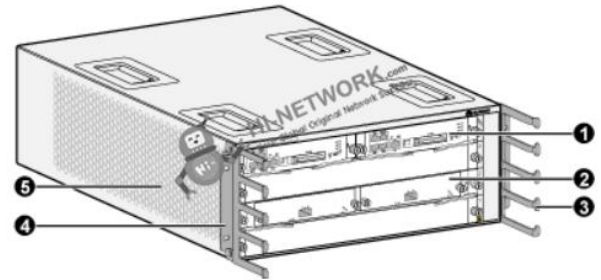
Forwarding Performance: 360 Mbit/s.

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ME60 series are multiple-service control gateways (BRASs) developed by Huawei for industries such as broadcasting, television, and education. ME60s provide a platform for unified user access and management.

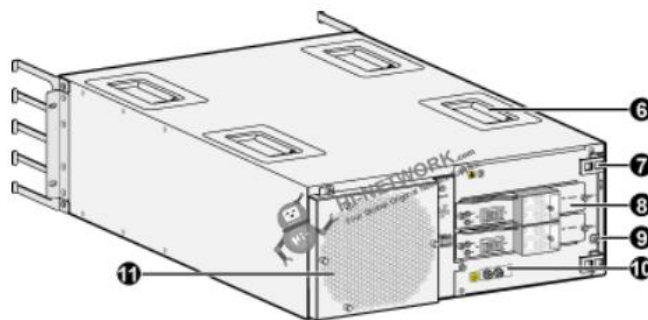
Based on a 2T platform, ME60s provide the industry's largest-capacity routing line card (480G) and a large-capacity NAT service line card (160G) that enable customers to smoothly evolve from IPv4 to IPv6.

### The Front Panel:



①	MPU slot
②	LPU slot
③	Front cable tray
④	Mounting ear
⑤	Air intake vent

### The Back Panel:



⑥	Handle
⑦	Rear cable tray
⑧	DC power module
⑨	Air filter
⑩	Ground terminal
⑪	Fan module

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### The Accessories for ME60-X3 DC

#### ME60-X3 DC Power Cable



Distance from the PDF to the ME60-X3	Item	Specification	BOM Number	Remarks
Shorter than or equal to 25 m (82.02 ft.)	DC power cable	16 mm <sup>2</sup> (6 AWG)	25030430	Blue DC power cable
			25030428	Black DC power cable
	OT Terminal	16 mm <sup>2</sup> (6 AWG)-M6 double-hole OT2 naked crimping terminal	14170116	Connect to the ME60-X3
			14170024	Connect to the PDF
Longer than 25 m (82.02 ft.) but shorter than 40 m (131.23 ft.)	DC power cable	25mm <sup>2</sup> (4 AWG)	25030101	Blue DC power cable
			25030432	Black DC power cable
	OT Terminal	25 mm <sup>2</sup> (4 AWG)-M6 double-hole OT2 naked crimping terminal	14170119	Connect to the ME60-X3
			14170060	Connect to the PDF
Longer than 40 m (131.23 ft.)	-	A PDF or power distribution cabinet should be placed near the ME60-X3.	-	-

Get more information:

Do you have any question about the ME60-X3 DC 02351954?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

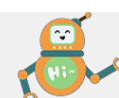
### Specific Data Sheet:

Model	ME60-X3 DC
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Part Number	02351954
Switching Capacity	1.08 Tbit/s
Forwarding Performance	360 Mbit/s
Number of Slots	5 slots, including 3 LPU's and 2 SRUs
Interface Types	100 GE-WAN/LAN 10 GE-WAN/LAN GE/FE
Processing unit(MHz)	Dominant frequency: 800
BootROM(MB)	2
SDRAM(GB)	4
NVRAM( KB)	512
Flash(MB)	16
CF card(GB)	2
BRAS	User access protocols: PPPoE, IPoE, 802.1X, and ND access User authentication protocols: PAP, CHAP, MSCHAP, RADIUS, and HWTACACS User billing protocols: RADIUS, HWTACACS, and COPS User authorization protocols: RADIUS, HWTACACS, COPS, and COA
L2TP	Maximum number of sessions supported: 64K per slot and 128K per device Maximum number of tunnels supported: 16K per slot, 16K per LAC device, and 48K per LNS device
IPv4	Supports the static routing protocol and dynamic routing protocols, such as RIP, OSPF, IS-IS, and BGP-4. All ports support line-rate forwarding even in complex routing environments, for example, when route flapping occurs
IPv6	IPv4/IPv6 dual stacks A variety of IPv4-to-IPv6 transition technologies: Manually configured tunnels, IPv6 over IPv4 tunnels, GRE tunnels, IPv4 over IPv6 tunnels, and IPv6 Provider Edge (6PE) IPv6 static routes and dynamic routing protocols, such as BGP4/BGP4+, RIPng, OSPFv3, and IS-ISv6 IPv6 neighbor discovery, PMTU discovery, TCP6, ping IPv6, tracer IPv6, socket IPv6, static IPv6 DNS, IPv6 DNS server, TFTP IPv6 client, and IPv6 policy-based routing Network Address Translation IPv6-to-IPv4 (NAT64), NAT44 and Dual-Stack Lite (DS-Lite) Internet Control Message Protocol Version 6 (ICMPv6) Management Information Base (MIB), User Datagram Protocol Version 6 (UDP6) MIB, TCP6 MIB, and IPv6 MIB
MPLS/MPLS VPN	MPLS TE and MPLS/BGP VPN in compliance with RFC 2547bis Inter-AS Option A, inter-AS Option B, and inter-AS Option C Integration with Internet services Martini MPLS L2VPN and Kompella MPLS L2VPN VPLS and VLL Heterogeneous interworking Multicast VPN
Layer 2 Features	Protocols such as IEEE 802.1Q, IEEE 802.1ad, IEEE 802.1D, IEEE 802.1w, and IEEE 802.1s VLAN aggregation (super VLAN) Filtering list based on MAC addresses and ports
Reliability	Protection mechanisms such as IP/LDP/VPN/TE/VLL FRR, IP/TE automatic rerouting, fast convergence of IGP/BGP/multicast routes, VRRP, load balancing among IP-Trunk links, BFD, MPLS/Ethernet OAM,



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	<p>and routing protocol/port/VLAN damping</p> <p>PW redundancy, E-Trunk, E-APS, and E-STP</p> <p>In-service patching for smooth software upgrade</p> <p>Passive backplane</p> <p>Redundancy backup for key components such as route processing modules, SFUs, and power modules to guard against a single point of failure</p> <p>Switching between components that hot back up each other, Graceful Restart (GR), NSF, NSR, and ISSU</p> <p>Hot swapping for all components</p> <p>Intra- or inter-CGN service chassis 1+1 and 1:1 hot backup</p>
QoS	<p>Provides a well-designed HQoS mechanism</p> <p>Provides advanced scheduling and congestion avoidance technologies, accurate traffic policing and traffic shaping, and complex rule definition and fine-grained flow identification</p> <p>Supports MPLS HQoS and ensures QoS for MPLS VPN, VLL, and PWE3 services</p> <p>Supports DiffServ- and MPLS TE-based DS-TE, eight Class Types (CTs), and TE-tunnel-based QoS</p> <p>Supports a maximum of 768K flow queues per slot</p>
Value-added Service	<p>Supports Destination Address Accounting (DAA), which helps carriers identify services based on destination network segments and perform separate accounting for different services on IP bearer networks</p> <p>Supports Enhanced Dynamic Service Gateway (EDSG), which identifies various user services based on traffic destination addresses and implements independent rate limit, accounting, and management for each service</p>
Multicast	<p>IGMP v1, IGMP v2, and IGMP v3</p> <p>Static multicast</p> <p>Multicast routing protocols, such as PIM-SM, PIM-SSM, MSDP, and MBGP</p> <p>Multicast CAC</p> <p>Interoperability between multicast protocols</p> <p>Multicast policies for multicast routing protocols and multicast forwarding</p> <p>Multicast QoS</p> <p>Two-level multicast replication on the SFU and LPU to achieve optimal multicast service performance</p>
Security	<p>ACL-based packet filtering</p> <p>URPF</p> <p>GTSM</p> <p>DHCP snooping</p> <p>ARP attack defense</p> <p>DoS attack defense</p> <p>MAC address limit</p> <p>MAC-IP binding</p> <p>SSH</p> <p>SSHv2</p>
Maximum Power Consumption(W)	920 (BSUF-100)
Operating Environment	<p>Long-term operating temperature: 0°C to 45°C</p> <p>Short-term operating temperature: -5°C to 55°C</p> <p>Long-term operating humidity: 5% to 85%</p> <p>Short-term operating humidity: 0% to 100%</p> <p>Operating altitude: Equal to or below 4,000m</p>
Dimensions(mm)	175 (H)x 442 (W) x 650 (D)



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