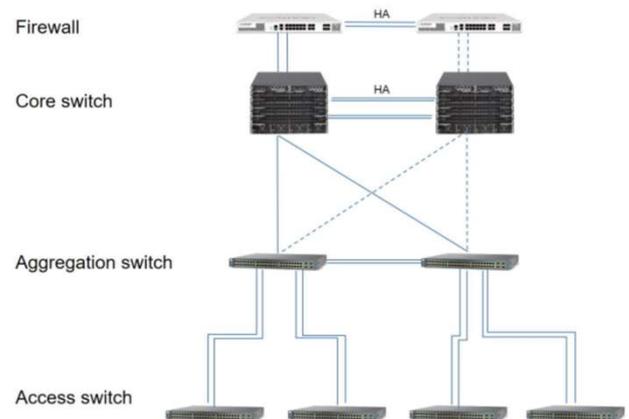




Campus Multi-gigabit Access Ethernet Switch DE-B54GE6X2

Product Overview

The DEB54GE6X2 is a premium Campus Multi-gigabit PoE++ (IEEE 802.3bt) Access 1RU Ethernet Switch, which has 32-port 10/100M/1000M RJ-45 + 16-port 2.5GE RJ-45 + 6-port 25GE Uplink/Stacking provide up to 222 Gbps bandwidth configurable to multi-rate 10M/100M/100M/1G/10G. This switch supports high-density enterprise network access, remote office, distributed enterprise, and retail store applications with 5G/IoT/AI technologies. DE-B54GE6X2 is a high performance and open source community supported Ethernet switches hardware platform, which is a DENT (Disaggregated Enterprise NeTwork) complied Switch. PoE+ and PoE++ can bring high power PoE up to 90W in modern world because there are many different high-usage applications, such as IP Camera/CCTV or Wireless Access Point.



- 222 Gbps full-duplex switching capacity
- 32 x 10/100/1000M RJ-45
- 16 x 2.5GbE RJ-45
- 6 x 25GbE SFP28/10GbE SFP+
- Automatic address learning support packet forwarding table up to 32K MAC addresses
- System LED indication
- Power over Ethernet up to IEEE 802.3bt/at, budget up to 90 watts (Type 4/Class 8) for one port
- Standard 1RU chassis height, 19" rack mountable

Preliminary

Model	DE-B54GE6X2
Chipset	
CPU	Embedded ARM v8.2 CA55 CPU (Dual Core) 1.4GHz
NPU	Marvell Alleycat 5X 98DX3530
Memory	DDR4 4GB (w/ ECC)
Storage	EMMC 4GB
Interface	
Ethernet Ports	32x GbE RJ45 and 16x 2.5GbE RJ45 48x PoE port supporting IEEE 802.3at PoE+ and IEEE 802.3bt PoE++ (32 port 802.3 at PoE+, 16 port 802.3 bt PoE++)
USB Ports	1x USB type-A
Console Port	1x RJ-45
Management OOB Port	1x RJ-45
Performance	
Switching capacity	222Gbps
Packet Buffer Memory	3MB
Jumbo Frame support	9.6K
MAC Address	32K entries
PoE	
PoE Port	IEEE 802.3at (p1~32) / 802.3bt (p33~48)
Idle Power	67.0W@220Vac/60Hz 67.1W@220Vac/50Hz 70.2W@110Vac/60Hz 70.1W@110Vac/50Hz
PoE Budget (per Switch)	1450W (Based on 2*1600W, Redundant)
Power & Fan	
Power Supply	1+1 Redundant, Hot-swappable 1600W (1050/2000W Option)
Power Input Voltage	110 to 220 VAC
System Power	150W
Power Consumption (Full Load: In-traffic + 802.3at class 4 + 802.3bt class 8)	2763.8W@220Vac/60Hz 2769.2W@220Vac/50Hz 2825.2W@110Vac/60Hz 2825.4W@110Vac/50Hz
Fan	2 + 1 Swappable Fan
Environmental Specifications	
Operating temperature	0 to 45°C
Storage temperature:	-25 to 70°C,
Humidity	Operating relative humidity: 5%~90% RH no-condensing Storage humidity: 5%~95% RH no-condensing
Mechanical Specification	
Chassis Dimension	438.5x410x43mm (Width x Depth x Height)