

Leading Intelligent IP Networks

All-scenario Edge Access Router
Oriented to Cloud-era

NetEngine 8000 M1A



Compact Size High-density GE Ports

- 1 U, 220mm, 176Gbps
- Max 16*10GE/32*GE

Programmable Protocol Simplification

- SRv6/EVPN, unified protocols
- Programmable NP, smooth upgrade

Green Industrial Design

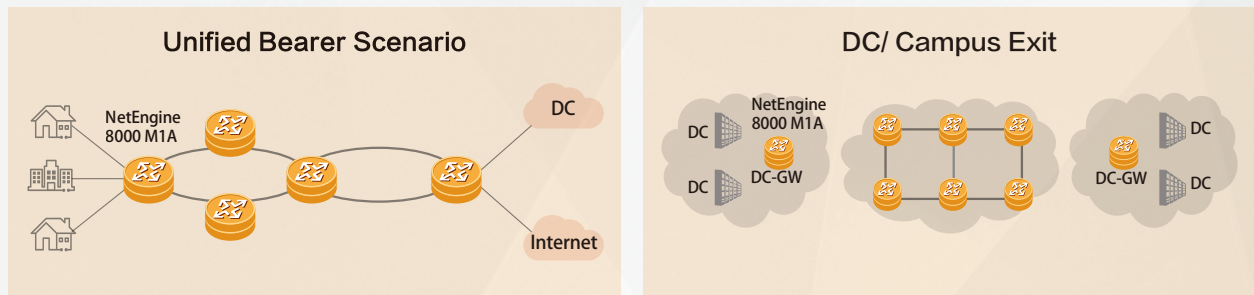
- 80 W, low power consumption
- -40°C ~ 65°C, industrial wide temperature design



Product Introduction

NetEngine 8000 M1A is a high-density compact router designed for the cloud era. It's featured for its 1U compact size, 220 mm depth, and supports up to 176G port capacity. The compact design saves precious space resources. Supports flexible service access of 10GE and GE (optical and electrical ports) and supports features such as SRv6, EVPN, Port Slicing, Telemetry, and 1588v2 high-precision clock, which is the best choice for multi-service high-density bearer in the future cloud era.

Application Scenario



Product Specifications

Dimensions (H x W x D)	44.45mm × 442mm × 220mm (1U, Fixed box)
Switching Capacity (Bidirectional)	352 Gbps
Forwarding Performance	72 Mpps
Power Input	DC: -40V to -72V; AC: 100V to 240V
Typical Power Consumption	75W
Port Capability	16*10GE/GE/FE+12*GE/FE(o)+4*GE/FE(e)
L2 Feature	IEEE802.1q, IEEE802.1p, IEEE 802.3ad, IEEE 802.1ab, STP/RSTP/MSTP
L3 Feature	OSPF, RIP, IS-IS, BGP, ACL, IPv4, IPv6
MPLS Feature	LDP, RSVP-TE, L2VPN, L3VPN, Seamless MPLS
SRv6/EVPN	Support
VAS	NAT, IPSec
Multicast	IGMP, Static Multicast Routing, PIM-SM/SSM, MBGP, NGMVPN
QoS	3-level H-QoS
Cache	45 ms
Clock	1588v2, Synchronous Ethernet clock
OAM	Telemetry, iFIT, BFD, NQA, RFC 2544, TWAMP
Operating Temperature	-40°C ~ 65°C (long term)

Port Introduction

