Leading Intelligent IP Networks

1 U High-density Router Oriented to Cloud-era
NetEngine 8000 F1A

Compact & Large Capacity

- 1U，1.2Tbps
- Max 8*100G/50G
- 56 ports/1U, Highest density in the industry

SRv6 Ready & Simplified Architecture

- SRv6/EVPN, simplified protocol
- Programmable NP, smooth evolution

Green & Energy Saving

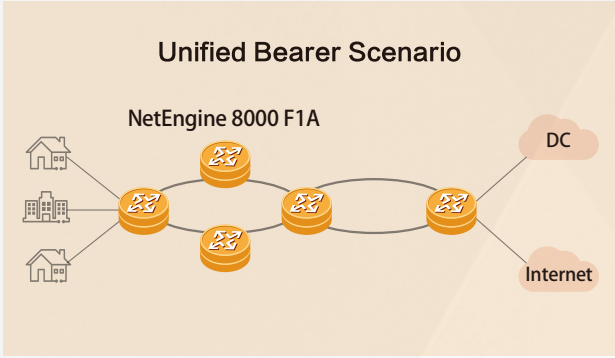
- 0.3W/G, ultra-low power consumption, environment-friendly

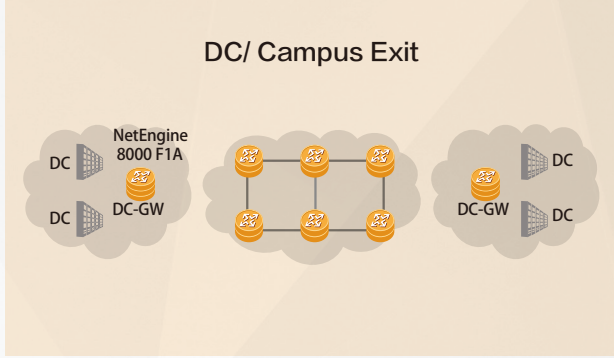
HUAWEI

Product Introduction

NetEngine 8000 F1A is a high-density compact box router designed for the cloud era. It's feature for its 1U height, and up to 1.2T port capacity, flexible combination of up to 56 ports (100GE, 50GE, 25GE, 10GE, GE ports), which is highest density in the industry. It also supports features such as SRv6, EVPN, and 1588v2 high-precision clock. The compact design of 400 mm saves precious resources, greatly reduces Capex, and protects existing investments. It is the best choice for high-density bearer in the future cloud era.

Application Scenario





Product Specifications

Dimensions (H x W x D)	44mm×442mm×420mm (1U)
Switching Capacity(Bidirectional)	2.4 Tbps
Forwarding Performance	453 Mpps
Power Input	DC：-40V to -72V; AC：90V to 264V；1+1 redundancy
Typical Power Consumption	350W
Port Capability	100GE:8; 50GE:8; 25GE:52; 10GE:80
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
Multicast	IGMP、Static Multicast Routing PIM-SM/SSM、MBGP、NGMVPN
VAS	BNG/BRAS、NAT、IPSec
Clock	1588v2, Synchronous Ethernet clock
OAM	Telemetry、iFIT、BFD、NQA、RFC 2544、TWAMP
Operating temperature	-5℃～4 5℃

Ports Introduction

28*10GE/GE | 8*25GE/10GE/GE | 12*25GE/10GE | 8*100GE (100GE/50GE/40GE 4*25GE Breakout 4*10GE Breakout)

0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	QSFP28	QSFP28	QSFP28	QSFP28
SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	SFP28	QSFP28	QSFP28	QSFP28	QSFP28
1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55