



**光语**  
GLORY

# **NetEngine 8000 M14-G Universal Service Router**

**Datasheet**



## ■ ■ Product Overview

The NetEngine 8000 M14-G All-Scenario Smart Router is a high-end smart router for the industry. It is mainly used in access and convergence scenarios, It is an intelligent and simplified IP bearer network solution with simplified architecture, intelligent connection and high availability. The details are as follows:

(1)The NetEngine 8000 M14-G breaks through many technical difficulties such as ultra-high-speed signal transmission, super heat dissipation, and efficient power supply. It achieves a compact large capacity of 5U/2Tbit/s and 220 mm. It is the most compact router in the industry. It supports a full range of interfaces to meet traffic growth and diversified service access requirements in the cloud era. Currently support Ethernet, SDH and PDH interface, PCM interface. NetEngine 8000 M14-G is an all-scenario convergence platform that supports home broadband, dedicated line, mobile bearer and cloud bearer scenarios, simplifying network hierarchy and complexity. FlexE (Network Slicing) functions enable multi-scene, integrated hosting on one network;

(2)The NetEngine 8000 M14-G supports SRv6 and smart connectivity. SRv6 provides massive continuous addresses and rich scalability based on IPv6 for automatic cross-domain connectivity and minute-level service provisioning, cloud scheduling network and one jump into the cloud. SRv6 can identify applications and tenants, and realize intelligent scheduling such as delay and bandwidth according to customer needs, ensure service SLAs. The number of network protocols has been reduced from 10+ to 2, simplifying network operation and maintenance;

(3)The NetEngine 8000 M14-G supports intelligent operation and maintenance, and introduces automation and intelligent technology to realize intelligent operation and maintenance. Based on iMaster NCE,IFIT technology accurately detects network SLA in real time, visualizes service quality in real time, and supports minutelevel fault location.Unique ROAM algorithm, intelligent shunt and optimization; Intelligent algorithms reduce the number of alarm displays by 99%.

The product fully supports the future-oriented next generation unified network SRv6 technology, which can realize the construction of IP backbone, metro area, mobile backpass and data center and other network parts, which can be carried by 5G, personal/enterprise cloud, cloud mutual connection, IOT, government-enterprise dedicated line, home wide application, CDN and other applications. As the basic carrying protocol of the whole network, it can realize the comprehensive carrying capacity of all services from end to end. Through SRv6, protocol simplification, large-scale networking, seamless integration, high reliability, integrated business chain, programmable network + business, whole ecological industrial system can be achieved.

(1) Support DIP (Deterministic IP) technology, through the periodic scheduling mechanism, to prevent cross-cycle collision of messages, to achieve the certainty of node processing delay;

(2) Support Data Redundancy Elimination (DRE) function, data compression/decompression between the wide area border routers, reduce the bandwidth consumption of the wide area link, save the line cost, accelerate the deployment of distributed data center.

NetEngine 8000E M14-G integrates a variety of functions, simplifies the network structure, provides a wealth of service types, reliable quality of service and intelligent operation and maintenance, leads the IP WAN to the intelligent network of automatic driving, and provides continuous momentum for the business success of enterprise customers.

## ■ Technical Specification

Items	Instructions
Cabinet installation standards	21-inch ETSI-compliant width 19-inch IEC-compliant width
Dimensions (W × D × H, excluding packaging materials)	442mm × 220mm × 222mm
Dimensions (W × D × H, including packing material)	590mm × 390mm × 505mm
Chassis Height	5U
MTBF	147.34
MTTR	0.5 hour
Availability	0.999999613
Power Supply System	AC
Rated Input Voltage	200V to 240V/100V to 127V dual live wire with 240V HVDC support
Input Voltage Range	90V to 290V
Maximum Input Current	10A
Rated Output Power	2500W
Maximum Input Wire Diameter [mm <sup>2</sup> ]	C13 cable as standard



Items	Instructions
Front Stage Circuit Breaker/Fuse [A]	≥10A
Heat Dissipation Method	System air cooling
Air Flow Direction	Left in and right out
Room Temperature Noise (sound power)	<72dB (meets ETSI 72dBA)
Total Slots	17
Number of SPU Slots	10/12/14
Maximum Number of Physical Ports on the Device	200
100GE Maximum Number of Ports	IPIUA-2T/IPIUA-2T-B:16 IPIUA-1T2/IPIUA-1T2-B:12
50GE Maximum Number of Ports	IPIUA-2T/IPIUA-2T-B:20 IPIUA-1T2/IPIUA-1T2-B:20
40GE Maximum number of Ports	IPIUA-2T/IPIUA-2T-B:16 IPIUA-1T2/IPIUA-1T2-B:12
25GE Maximum Number of Ports	IPIUA-2T/IPIUA-2T-B:64 IPIUA-1T2/IPIUA-1T2-B:48
10GE Maximum Number of Ports	IPIUA-2T/IPIUA-2T-B:100 IPIUA-1T2/IPIUA-1T2-B:100
Maximum Number of GE Ports	IPIUA-2T/IPIUA-2T-B:200 IPIUA-1T2/IPIUA-1T2-B:200
Maximum Number of FE Ports	IPIUA-2T/IPIUA-2T-B:200 IPIUA-1T2/IPIUA-1T2-B:200
Maximum Number of Ports of Electrical Port	IPIUA-2T/IPIUA-2T-B:100 IPIUA-1T2/IPIUA-1T2-B:100
IPIUA Redundancy	1:1
Power Supply Redundancy	2+2
Fan Redundancy	3+1: Short-term normal operation at 40°C after a single fan fails (One fan module contains four fans)
Long-term Operating Temperature	-20°C to 55°C, starting: ≥-5 °C
Operating Environment Temperature Change Limit	≤ 30°C/hour
Storage Temperature	-40°C to 70°C
Long-term Working Environment Relative Humidity	5% to 85% RH, non-condensing
Short-term Working Environment Relative Humidity	5% to 95% RH, non-condensing
Store Relative Humidity	5% to 95% RH, non-condensing
Long-term Working Altitude	≤4000m (When the altitude is between 1800 m and 4000 m, each rise of 220 m, equipment transport Row temperature is reduced by 1°C)
Storage Altitude	< 5000m



**光语**  
**GLORY**

***Ignite future, connect world***



---

**Guangdong Glory Technology Co., Ltd.**

**Email: [service@glory-t.tech](mailto:service@glory-t.tech)**

**Hotline: +86 400-800-6805**

**For more information, please visit [www.glory-t.cn](http://www.glory-t.cn)**

\*The descriptions and information displayed in the product promotional materials are for reference only. The actual delivered product shall prevail. The final interpretation right belongs to GLORY.