ESIX

I XBRIDGE 52G I SERVER-SIDE OF XBRIDGE SERIES

I **X**BRIDGE 52G I DESCRIPTION

xBridge 52G is an enterprise grade router. It is one of SDM components. It is a high performance router & VPN hub and also the IPfiber server site for xBridge & Xatellite series in SDM platform.

xBridge 52G runs ENOS which can establish Layer 2 or 3 tunnel with other ENOS devices to provide a smoothly data interconnection between multiple sites by IPFiber technology. The powerful functions of the SDM platform help enterprises build their private network easily. SDM platform can utilize the current Internet broadband, MPLS, 4G or 5G connection, and any dedicated network infrastructure.

I PRODUCT FEATURES

- INTEL HIGH PERFORMANCE CPU
- NETWORK ENCRYPTION ACCELERATION
- SUPPORT MULTI-WAN LOAD BALANCING OR FAILOVER
- SUPPORT **DATA HI-FIDELITY TRANSMISSION**
- ACROSS NETWORK **OVERLAY** PURE **L2 OR L3** TUNNEL
- DUAL HIGH SPEED 10G SFP+ INTERFACE
- 6 X HIGH SPEED 2.5GE INTERFACE
- CENTRALIZED MANAGEMENT

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Hardware

CPU:
64-bit High Performance X86

I/O:
6 × 2.5GE RJ45 ports
2 × 10GE SFP+ ports
1 × RJ45 Console port
2 × USB 3.0 ports (Support RTTY & Modbus)
(Compatible with USB to RS232, RS485 cable)

Functions

Routing & Switching:
Support RIPv1, RIPv2, RIPng, OSPFv2, OSPFv3, BGP-4, BGP-4+, Policy-based route, NAT, PAT, BFD, Multi-WAN, SRv6, IPv6/IPv4 dual stack, MQTT Broker, STP, LDP, etc.

Security:
Support PIN protection, Firewall, Mac address access control, IP address access control, MACsec

VPN:
Support IPsecVPN, DMVPN, GRE, VxLAN, WireGuard, IPfiber(L2 overlay)

Administrator maintenance:
Support SSH, Telnet, WebUI, SNMP, TR069, TR181

Performance

IPSecVPN throughput:
AES128-SHA1 930Mbps (1GE), 1.8Gbps (2.5GE)
AES256-SHA512 930Mbps (1GE), 1.3Gbps (2.5GE)

Number of IPfiber Tunnels: 4096 Max

IPfiber throughput:
AES128-GCM-SHA256 930Mbps (1GE), 2.1Gbps(2.5GE)
AES256-GCM-SHA384 930Mbps (1GE), 1.8Gbps(2.5GE)

Operating

Temperature:
-20°C ～ 45°C
Humidity:
5% ～ 95%
non-condensing

Storage

Temperature:
-40°C ～ 85°C

Power Input

100 ～ 240V AC Adaptor
24V, 14.6A Max

Power Consumption

160W Max
60W Avg

Dimension

Rack Mount 1U
440x250x45mm

Weight

4kg

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STANDARD HARDWARE/SOFTWARE WARRANTY POLICY

eSIX warrants solely to the original end-user purchaser ("Purchaser") that hardware ("Hardware") purchased from eSIX or our Authorized Partners will be free from defects in materials and workmanship when used within the limits set forth in the documentation (data sheet and user manual) for a period of twelve (12) months, starting from the time of shipment of the Hardware, or the date the Hardware was purchased according to sales registration, whichever is later. (If a 36-month warranty is required, please contact the sales representative.)

This limited warranty is non-transferable and extends only to the original end-user purchaser who acquired the Hardware from an Authorized Partner who has the right to sell in the end-user's territory. eSIX explicitly disclaims any warranty obligations for Hardware that is sold outside of the assigned territory of an Authorized Partner. Your exclusive remedy and eSIX' entire liability under this limited warranty will be for eSIX, at its option, to (a) repair the Hardware with new or refurbished parts, or (b) replace the Hardware with a reasonably available equivalent new or refurbished eSIX Hardware. Any repaired or replacement Hardware will be warranted for the remainder of the original Warranty Period or thirty (30) days, whichever is longer. All Hardware and parts that are replaced become the property of eSIX.

EXCLUSION AND LIMITATIONS

This limited warranty does not apply if: (a) the Hardware assembly seal has been removed or damaged, (b) the Hardware has been altered or modified, except by eSIX, (c) the Hardware damage was caused by use with non eSIX Hardware, (d) the Hardware has not been installed, operated, repaired, or maintained in accordance with instructions supplied by eSIX, (e) the Hardware has been subjected to abnormal physical or electrical stress, abuse, misuse, negligence, or accident, (f) the serial number on the Hardware has been altered, defaced, or removed, (g) the Hardware damage was caused by lightning, power surges or wrong voltage usage, or (h) the Hardware is supplied or licensed for beta, evaluation, promotional, testing or demonstration purposes for which eSIX does not charge a purchase price or fee.

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