



I XBRIDGE 52G | DESCRIPTION

xBridge 52G is an enterprise grade router. It is a high-performance router and IPFiber server hub site for the ENOS devices in the SDM platform. The xBridge 52G runs ENOS, which can establish Layer 2 or 3 emulated Ethernet cables with other ENOS devices to provide smooth data interconnection between multiple sites via IPFiber technology. The powerful functions of the SDM platform help enterprises easily build their private networks. The SDM platform can utilize existing Internet broadband, MPLS/4G/5G connections, 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 × HIGH SPEED 2.5GE INTERFACE
- CENTRALIZED MANAGEMENT

IXBRIDGE 52G | TECHNICAL SPECIFICATION

Hardware	<p>CPU: 64-bit High Performance X86</p> <p>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)</p>	Operating	<p>Temperature: -20°C ~ 45°C</p> <p>Humidity: 5% ~ 95% non-condensing</p>
Functions	<p>Network Features: Support RIPv1, RIPv2, RIPng, OSPFv2, OSPFv3, BGP-4, BGP-4+, Policy-based Routing, NAT, PAT, BFD, MPLS, Multi-WAN, IPv6/IPv4 dual stack, SRv6, 802.1Q VLAN, VxLAN, STP, RSTP, MSTP, QinQ over IP, MQTT Broker</p> <p>Security: Support Firewall, Mac address access control, IP address access control, MACsec, Wi-Fi Encryption authentication</p> <p>VPN: Support IPsec VPN, DMVPN, GRE, WireGuard, EVPN-VXLAN, IPfiber(L2 overlay)</p> <p>Administrator maintenance: SSH, WebUI, eBrain(Central Management)</p>	Storage	<p>Temperature: -40°C ~ 85°C</p>
		Power Input	<p>100 ~ 240V AC (200W Max)</p>
		Power Consumption	<p>160W Max 60W Avg</p>
		Dimension	<p>Rack Mount 1U 440x250x45mm</p>
		Weight	<p>4kg</p>
Performance	<p>IPSecVPN throughput: AES128-SHA1: 930Mbps (1GE), 1.8Gbps (2.5GE), 3.3Gbps (10GE) AES256-SHA256: 930Mbps (1GE), 1.3Gbps (2.5GE), 3.1Gbps (10GE) Number of IPfiber Tunnels: 4096 Max</p> <p>IPfiber throughput: Standard Encryption: 930Mbps (1GE), 2.1Gbps (2.5GE), 7.8Gbps (10GE) Enhanced Encryption: 930Mbps (1GE), 1.8Gbps(2.5GE), 7.4Gbps (10GE)</p> <p>MACsec throughput: AES128: 1.51Gbps (10GE) AES256: 1.47Gbps (10GE)</p>		



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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

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