**Lightsand G3 is an advanced best-in-class, Fibre Channel network Extension Gateway platform that line-rate Fibre Channel/Ficon/L2/L3 extreme performance of LightSand ASIC silicon and paired with multi service feature.**

It is well suited for enterprise access/aggregation, high bandwidth interconnection for replication demands of large enterprise customers, ensuring the most reliable, scalable and security platform for Data Centers connectivity.

Lightsand G3 switch can be deployed as a Any to Any Gateway Data Center, supporting up to 160GbE WAN throughput with ultra low latency powered by i-SWAN LightSand platform.

# Lightsand G3

1RU Gateway Data Center FC/FICON Extension SWITCH

## Product Highlights

*1RU, 19-inch rack mountable design.*
*Cut-through with ultra-low-latency.*
*24 x 32Gbps (Fibre Channel/FICON) ports, 24 x 10 Gbps*
*(L2/L3 Gbe) and 6 x 40/100 Gbps (QSFP28) ports.*

*Up to 1.08 Tbps of switching performance.*
*i-SWAN automated configuration and near zero touch*
*provisioning capabilities.*
*Simplify management of network environments.*
*Best in class Power efficiency.*

*Provide cutting-edge, high-performance networks known*
*for their resilience and effortless deployment, management,*
*and scalability for the most demanding environments—*
*making it the most reliable and widely used Extension*
*Gateway for mission-critical  storage replication.*

| Switching Performance | Switch ASIC | LightSand G3 ASIC silicon |
| --- | --- | --- |
| | Ports | 6 x 100G/40G (WAN/ICL)<br>24 x 32G (FC/FICON-E/B Port/ISL)<br>24 x 10G（LAN2/3) |
| | Capacity | 1.08 Tbps |
| | Models Perf | WAN Throughput*: 160 Gbos (20/40/100 Gbps) |
| CPU | CPU | Marvell OcteonTX2 |
| | Security | AES-GCM-256 encryption on FC ISLs (B/E_Port) |
| | Compression | HW compression, 3 automation advanced Layer |
| Management Port | USB | 1 x USB2.0 |
| | Serial Console | 1 x RJ45 |
| | Management Port | 1 x RJ45 Ethernet 1GBase-T management port |

# Hardware Specification

*Model dependent

# Hardware Specification

| | | |
|---|---|---|
| **Power** | PSU Input | 110V~240V(AC), 36V~72V(DC) |
| | PSU Output | 200W/200W (AC/DC) |
| | Management Port | 1 x RJ45 Ethernet 1GBase-T management port |
| **Physical and Environmental** | Dimensions | HxWxD 440/44/470 mm |
| | Rack Space | 1RU |
| | Fan | 2+1, hot pluggable |
| | PSU | 1+1 hot pluggable |
| | Operating Temperature | 0°C to 45°C |
| | Operating Humidity | 5% to 90% (non-condensing) |
| **LIghtSand OS** | i-WAN LightSand Suite with OASIS monitor System | |
| **Certificate** | CCC/CE | |