



M6100 Value Proposition

The ProSAFE M6100 switch series is a high-quality, high-density chassis alternative to stackable switches for midsize enterprise edge and SMB core deployments. It is **the world's first all-in-one passive backplane chassis priced under \$10k*** - with zero licensing charges, truly providing SMB customers with a more affordable, uniquely flexible, and higher performing alternative chassis platform to HP 5400 & 8200 and Cisco Catalyst 4500 series of switches.

Competitive Summary

(Compared to Cisco Catalyst 4500 Series)

- **50% more 1G density** – The M6100 allows for more 1G ports in a much smaller footprint (only 4U) compared to Cisco 4500
- **More 10G ports** – The M6100 allows for more 10G ports in 4U than Cisco in (7U-11U) making it a better choice for server aggregation and network distribution
- **No complex licenses** – All features are available without any licensing scheme
- **Higher Backplane Performance** – Much higher backplane performance than Cisco Catalyst 4500

Features & Highlights

- 3-slot switch chassis in a compact 4U form-factor
- Up to 144 x RJ45 10/100/1000 ports or 120 x SFP 100/1000 ports
- Up to 72 x RJ45 10GBASE-T ports or 48 x SFP+ 1000/10GBASE-X ports
- 1.4 Tbps routing/switching capacity, up to 1071 Mpps throughput, 480 Gbps distributed inter-module fabric
- IPv6 L3 features (OSPF, PBR, BGP, DCBX, PFC, ETS, FIP Snooping)
- Fabric and Management redundancy and passive backplane
- Non-stop switching, non-stop routing with hitless failover
- N+1 redundancy for power supplies
- Full PoE+ provisioning and UPOE support
- Full Lifetime Warranty, Lifetime NBD, Lifetime Technical Support via chat



NETGEAR M6100 COMPETITIVE ANALYSIS

| Comparison Matrix | NETGEAR M6100 Switch Series | C4503-E with Supervisor 6-LE | C4506-E with Supervisor 7-E | C4507R+E with Supervisor 8-E |
|------------------------------|---|--|--|--|
| Feature Set | IPv4/IPv6 Layer 3 | IPv4/IPv6 Layer 3 | IPv4/IPv6 Layer 3 | IPv4/IPv6 Layer 3 |
| Max 1G Density | 144-port (4U) | 96-port (7U) | 240-port (10U) | 240-port (11U) |
| Max 10G Density | 72-port (4U) | 32-port (7U) | 68-port (10U) | 68-port (11U) |
| Table Size | 32K MAC 12K IP Routes | 55K MAC 64K IP Routes | 55K MAC 256K IP Routes | 55K MAC 256K IP Routes |
| Management/Fabric Redundancy | YES/YES | NO/NO (only 1 supervisor) | NO/NO (only 1 supervisor) | YES/YES |
| Failover Time | Non-Stop Failover | n/a | n/a | Non-Stop Failover |
| PoE Max Budget | 6,000 Watts at 220V | 4,500 Watts at 220V | 7,500 Watts at 220V | 7,500 Watts at 220V |
| PoE+/UPOE 60 Watts | YES/YES | YES/YES | YES/YES | YES/YES |
| Backplane Performance | 80Gbps half-duplex 48p 160Gbps full-duplex 48p | 24Gbps half-duplex 48p 48Gbps full-duplex 48p | 48Gbps half-duplex 48p 96Gbps full-duplex 48p | 48Gbps half-duplex 48p 96Gbps full-duplex 48p |
| MLAG (vPC) | YES (Supervisor blades only) | YES | YES | YES |

Additional Information: www.netgear.com/m6100

*\$10k is based on the M6100 Starter Kit XCM8903SK-10000S MSRP. Actual pricing variances will apply in region and will also depend on final configuration selected from NETGEAR channel partners. Note: The M6100-3S base chassis is not orderable as a separate SKU. The starter kit is not pre-assembled. Starter kit components ship in their individual packaging. Shipping master carton arrives on a pallet. "HP"® is registered trademark of Hewlett-Packard Company "Cisco"® and "Catalyst"® are registered trademarks of Cisco Systems