

# NETGEAR®

## ProSAFE®

### From Wireless Access Points to Network Switches, NETGEAR Provides a Reliable, Affordable, Simple PoE Solution for your Business.

Power-over-Ethernet (PoE) is a revolutionary technology that is quickly being adopted by devices such as VoIP phones, IP video surveillance, and wireless access points. PoE supplies not only data but also power through that same Ethernet cable, allowing for easier deployment of devices and greatly reducing electrical wiring requirements.

PoE CLASS CHART				
PoE Class Chart	Total power the PSE needs to allocate for the port/device	Max. power available to the PD	Class Description	Powered Devices (PD)
0 <sup>1</sup>	0.44W	0.44W-12.95W	Default Power (full)	Any that don't specify their class
1	4.0W	0.44W-3.84W	Very low power	IP phone
2	7.0W	3.84W-6.49W	Low power	IP camera
3	15.4W	6.49W-12.95W	Mid power	Single-band wireless access point, video phone
4 (PoE+)	30.0W	12.95W-25.50W	High power	PTZ IP camera, dual-band 11N wireless access point

  

PD CHART		
PD Product	Product Description	Power Consumption
GS105PE* (PD-Powered Device ONLY)	Gigabit Web Managed (Plus) Switch	8W min, 22W max
GS108T	Gigabit Smart Managed Switch	6W
GS516TP	Gigabit Smart Managed Switch	10W min, 22W max
M4100-D12G (GSM5212)	12 x GbE + 4 Combo SFP Managed Switch	25W
M4100-D12G-POE+ (GSM5212P)	12 x GbE + 4 Combo SFP Managed Switch (PoE+)	25W min, 60W max
WG103	Wireless 11G Access Point	5W
WN203	Wireless 11N Access Point	4W
WNAP210	Wireless 11N Access Point	6W
WN370	Wall Mount Wireless 11N Access Point	5.1W
WNAP320	Wireless 11N Access Point	5.8W
WNDAP350	Dual-Band Wireless 11N Access Point	12.7W
WNDAP360	Dual-Band Wireless 11N Access Point	12.7W
WNDAP660	3 x 3 Dual-Band Wireless 11N Access Point	11.8W
WND930	Outdoor Dual-Band Wireless 11N Access Point	15.2W min, 43.8W max
WAC720	2 x 2 Dual-Band 11AC Access Point	11.0W
WAC730	3 x 3 Dual-Band 11AC Access Point	12.9W

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<sup>1</sup> Default if not specified by device

\*The Lifetime Hardware Warranty only covers hardware, fans and internal power supplies, and does not include external power supplies or software. Hardware modifications or customization void the warranty. The warranty is only valid for the original purchaser and cannot be transferred.

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## Power-over-Ethernet with NETGEAR®

ProSAFE® SWITCHES WITH POE/POE +/ UPOE			
MODEL	PORTS	PoE PORTS	PoE BUDGET
UNMANAGED SWITCHES			
FS108P	8 x FE	4	53W
FS116P	16 x FE	8	70W
WEB MANAGED (PLUS) SWITCHES			
GS105PE* (PD-Powered Device ONLY - NO AC POWER)	5 x GbE	2 x PoE, 1 x PD	up to 19W with 802.3at power in, up to 7.9W with 802.3af power in
GS108PE	8 x GbE	4	53W
JGS516PE	16 x GbE	8	85W
JGS524PE	24 x GbE	12	100W
SMART MANAGED SWITCHES			
GS110TP	8 x GbE + 2 SFP	8	46W
GS510TP	8 x GbE + 2 SFP	8 (PoE+)	130W
GS516TP	16 x GbE	8 x PoE, 2 x PD	up to 76W (AC Power in), up to 22W (2 x 802.3at in), up to 11W (1 x 802.3at and 1 x 802.3af in)
FS728TLP	24 x FE + 2 x GbE + 2 Combo SFP	12	100W
FS728TP	24 x FE + 2 x GbE + 2 x Combo SFP	24	192W
GS728TP	24 x GbE and 4 GbE dedicated SFP	24 (8 PoE+)	192W
GS728TPP	24 x GbE and 4 GbE dedicated SFP	24 PoE+	384W and up to 720W with EPS
GS752TP	48 x GbE and 4 GbE dedicated SFP	48 (8PoE+)	384W
STACKABLE SMART SWITCHES			
S3300-28X-POE+ (GS728TXP)	24 x GbE + 4 Dedicated 10G ports (2 RJ45 + 2 SFP+)	24 PoE+ w/RPS	195W and up to 720W with RPS
S3300-52X-POE+ (GS752TXP)	48 x GbE + 4 Dedicated 10G ports (2 RJ45 + 2 SFP+)	48 PoE+ w/RPS	390W and up to 1400W with RPS
GS752TPSB (incl. AGC761 stacking cable)	48 x GbE and 2 Combo SFP and 4 Dedicated 1G/2.5G SFP	48 (8 PoE+)	384W
M4100 SERIES MANAGED SWITCHES (L2+ STANDALONE)			
M4100-D12G-POE+ (GSM5212P)	12 x GbE + 4 Combo SFP	12 (10 PoE+)	125W
M4100-12GF (GSM7212F)	12 x GbE with 12 shared SFP and 4 GbE PoE+	4 (PoE+)	150W
M4100-26G-POE (GSM7226LP)	26 x GbE + 4 Combo SFP	24	192W and up to 380W with EPS
M4100-24G-POE+ (GSM7224P)	24 x GbE + 4 Combo SFP	24 (24 PoE+)	380W and up to 720W with EPS
M4100-50G-POE+ (GSM7248P)	50 x GbE + 4 Combo SFP	48 (48 PoE+)	380W and up to 1,440W with EPS
M4200 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 MULTI-GIGABIT)			
M4200-10MG-POE+ (GSM4210P)	8 x 2.5G + 2 x 10GBASE-T	8 (8 PoE+)	240W
M4300 SERIES INTELLIGENT EDGE MANAGED SWITCHES (L2+ L3 STACKABLE)			
M4300-28G-POE+ (GSM4328PA)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (24 PoE+)	480W with 1 included PSU (APS550W) and up to 720W w/ 2 PSU
M4300-28G-POE+ (GSM4328PB)	24 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (24 PoE+)	630W (720W w/ 220V AC input) w/ 1 included PSU (APS1000W) and up to 720W w/ 2 PSU
M4300-52G-POE+ (GSM4352PA)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	48 (48 PoE+)	480W with 1 included PSU (APS550W) and up to 720W w/ 2 PSU
M4300-52G-POE+ (GSM4352PB)	48 x GbE + 2 x 10GBASE-T + 2 x 10GBASE-X SFP+	24 (48 PoE+)	591W (860W w/ 220V AC input) w/ 1 included PSU (APS1000W) and up to 1010W (1440W w/ 220V AC input) w/ 2 PSU
M6100 SERIES CAMPUS EDGE AND SMB CORE CHASSIS SWITCHES			
XCM89P	PoE/PoE+ daughter card for XCM8944 & XCM8948	Up to 136 PoE+	Up to 30W per port
XCM89UP	PoE/PoE+ & UPOE daughter card for XCM8944 & XCM8948	Up to 136 PoE+ or UPOE	Up to 60W per port
RPS/EPS OPTIONS			
PRODUCT	DESCRIPTION	ORDERING SKU	
RPS4000	External / Redundant Power Supply (up to four switches - RPS or EPS mode)	RPS4000-200NES/200AJS	
APS1000W	Power Module for RPS4000	APS1000W-100NES /-100AJS	

Actual power supplied by the PoE switch may vary due to Ethernet cable length: The switch's PoE budget requirement should be slightly higher than what the PD devices actually consume.