### **GS750E Smart Managed Plus**

Data Sheet

GS750E





#### Go Beyond Network Connectivity with Easy Management

Today's growing businesses demand and rely more on their network to carry out mission critical business activities. Companies are putting more network traffic and applications on their Ethernet infrastructure. For example, the increasing deployments of VoIP phones and IP cameras require more than simple plug-and-play connectivity. It needs the network intelligence to separate the voice and video traffic from data, and prioritize them accordingly.

Smart Managed Plus Switches meet this growing need by providing fundamental network features that will help optimize the performance of business networks. Smart Managed Plus Switches also offer traffic monitoring for users to observe traffic behavior. If there are connectivity issues, these switches can identify and even locate connection problems via cable diagnostic test. To optimize traffic through the switches, Smart Managed Plus Switches offer both port and tag-based prioritization to keep latency-sensitive traffic moving ahead of less critical packets. Also, Smart Managed Plus Switches offer port and 802.1Q-based VLAN as a means of improving security and network performance.

Smart Managed Plus Switches are an upgrade from the plug-and-play Unmanaged Switch, delivering great value for empowering your network, delivering great value to the end user.

### **Highlights**

#### Hardware Highlights

- · 48- Port Gigabit
- · 2 -Port SFP for fibre uplinks
- Rack-mount or Desktop
- Internal power supply to eliminate power brick
- No fan for silent operation
- 50°C Maximum Operating Temperature

#### Software Highlights

- · VLAN support for traffic segmentation
- Quality of Service (QoS) for traffic prioritization
- · Auto "denial-of-service" (DoS) prevention
- Link Aggregation to add redundancy and increase your network speed
- Loop prevention and broadcast storm controls
- IGMP snooping v1, v2 and v3 support for multicast optimization
- Rate limiting for better bandwidth allocation
- $\cdot$  Port mirroring for network monitoring
- · Jumbo frame support
- Energy Efficient Ethernet (IEEE802.3az) support for maximum power savings
- Troubleshoot connection issues via cable test

#### Industry Leading Warranty

- · LIFETIME 24/7 Technical Support
- LIFETIME Next Business Day Replacement
- LIFETIME Hardware Warranty\*







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#### Hardware at a Glance

Model Name	Form-Factor	10M/100M/1G Copper Ports	Internal Power Supply	1G SFP Ports	LED's	Case Material	Fans
GS750E	Rackmount/Desktop	48	Yes	2	Power, Port Link/Speed/Activity	Metal	Fanless





- 48 x Gigabit Copper Ports
- 2 x SFP Ports

• Internal PSU

#### Software at a Glance

	LAYER 2 FEATURES						
Management	VLANs	QoS	Port Trunking (Manual LAG)	IP Multicast Filtering	Rate Limiting & Priority Queueing	Jumbo Frame Support	IEEE (802.3az) Energy Efficient Ethernet
Web Browser- based GUI (HTTP), PC-Based ProSAFE Plus Utility	Port-based, IEEE 802.1Q-based, Voice VLAN, Video VLAN	Port-based, IEEE 802.1p/DSCP-based	Static LAG and LACP	IGMP Snooping	Yes	Yes	Yes

#### Performance at a Glance

Model Name	Fabric	Packet buffer	Latency (Max Connection Speed)	VLANS	MAC Address Table VLANs	Priority Queues	Multicast IGMP Group	Packet Forwarding Rate (64 byte)	Jumbo Frames (bytes)
GS750E	100Gbps line-rate	1.5MB	10Mbps: <32μs 100Mbps: <6μs 1000Mbps: <4μs	4K	16K Entries (dynamic)	8 (WRR)	128	11.9 Mfps	up to 9K

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### Features at a glance

HARDWARE FEATURES	BENEFITS
Rackmount form factor with fanless design	Adapts to your needs and configuration in any environment, even noise-sensitive (in a classroom, in a conference room, in a doctor's office)
50°C Maximum Operation Temperature	Built with top quality components that allows the switch to work in small IT cabinets.
100Gbps non-blocking switching architecture	Get all the connectivity you need to your devices without congestion.
2 extra active SFP ports to be used as a fiber uplinks	Add fiber to your network to avoid any interference.
SOFTWARE FEATURES	BENEFITS
Port-based and 802.1Q-based VLANs	Segment network into smaller groups for more secure and efficient use of network resources.
Comprehensive QoS features: Port-based or 802.1p-based prioritization Layer 3-based (DSCP) prioritization Port-based ingress and egress rate limiting	Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video. Ingress and egress rate limiting allows for bandwidth shaping for mitigating network resources constraints or for optimizing guest access bandwidth on the network.
IGMP Snooping	For improved network efficiency on delivering multicast traffic. Save cost and improve network efficiency by ensuring multicast traffic only reaches designated receivers without the need of an extra multicast router.
Port trunking / Link Aggregation	Build up bigger bandwidth to support aggregated uplink/downlink traffic or to provide redundant link(s) using Static Manual LAGs or LACP.
Voice VLAN	The feature enables auto assignment of voice traffic (based on OUI) to a special VLAN (AKA Voice VLAN); allowing the assignment of special QoS parameters to that traffic, giving it high priority services. Port has to be MANUALLY assigned to be a member of the Voice VLAN.
Loop prevention and auto DoS prevention	Detect and prevent accidental network loops and protect against DoS attacks.
Port Mirroring	For better and quicker network diagnostics and troubleshooting.
Energy Efficient Ethernet (IEEE 802.3az)	For maximum power savings and reduced energy costs.
Cable Test	Easily identify bad Ethernet cables.

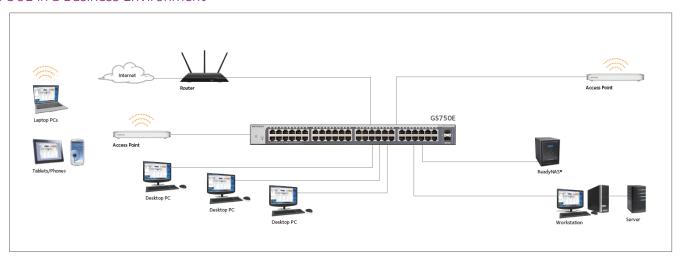
### **GS750E Smart Managed Plus**

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GS750E

#### **Example Application**

#### GS750E in a Business Environment



### Why Smart Managed Plus Switches from NETGEAR?

Why the NETGEAR Smart Managed Plus Switch is the ideal upgrade from Unmanaged Switches for SMB networks:

- 1. Visibility to identify any possible cable issues or abnormal traffic behavior with cable health test and port statistics.
- 2. Security to protect the SMB networks for possible threats thanks to Auto DoS and Storm Control.
- 3. Enhanced Control to improve your network performance with VLAN, QoS and Multicast Support.
- 4. Reliability, to assure that the SMB networks are up and running we introduced Link Aggregation and Loop Prevention to minimize possible downtimes
- 5. Lifetime limited warranty and lifetime support chat

## **GS750E Smart Managed Plus**

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### **Technical Specifications**

AG SFP ports 2 SFP  PERFORMANCE SPECIFICATION  Packet buffer memory (Dynamically shared across only used ports)  Tacket buffer memory (Dynamically shared across only used ports)  To orwarding modes  Store-and-forward  To 00 Gbps  Priority queues  Ba  Priority queuing  Weighted Round Robin (WRR)  MAC Address database size (48-bit MAC addresses)  To K  Multicast groups  Multicast groups  To VANIs  AK  Packet forwarding rate (64 byte packet size) (Mfps or Mpps)  To Mbps: <32µs  To Mbps: <32µs  To Mbps: <43µs  To Mbps: <43µs	PRODUCT	GS750E		
AG SFP ports   2 SFP				
PERFORMANCE SPECIFICATION Packet buffer memory (Dynamically shared across only used ports) Packet buffer memory (Dynamically shared across only used ports) Packet buffer memory (Dynamically shared across only used ports) Priority queues Priority queues Priority queues Priority queuing Weighted Round Robin (WRR) Weighted Round Robin (WRR) Weighted Round Robin (WRR) Ward Addresses) Fig.  MAC Addresses Priority queuing Weighted Round Robin (WRR) Packet forwarding rate (64 byte packet size) (Mfps or Mpps) Packet forwarding rate (64 byte packet size) (Mfps or Mpps) Packet forwarding rate (64 byte packet size) (Mfps or Mpps) Packet forwarding rate (64 byte packet size) (Mfps or Mpps) Packet forwarding rate (64 byte packet size) Packet fo	100M/1G/10G RJ-45 copper ports	48		
Packet buffer memory (Dynamically shared across only used ports)  1.5MB  Store-and-forward  Store-and-forward  Store-and-forward  Store-and-forward  100 Gbps  Priority queues  8  Weighted Round Robin (WRR)  MAC Address database size (48-bit MAC addresses)  16K  Multicast groups  12B  Number of VLANs  4K  Packet forwarding rate (64 byte packet size) (Mfps or Mpps)  11.9 Mfps  11.9 Mfps  11.9 Mfps  10Mbps: <22 us  100Mbps: <21 us  100Mbps: <41 us  100 Up to 9K packet size  100 Mbps: <41 us  100 Up to 9K packet size  100 Mbps: <41 us  100 Up to 9K packet size  100 Mbps: <41 us  100 Up to 9K packet size  100 Up t	1G SFP ports	2 SFP		
Store-and-forward sandwidth 100 Gbps 8  Store-and-forward sandwidth 100 Gbps 8  Priority queues 8 8 Weighted Round Robin (WRR)  MAC Address database size (48-bit MAC addresses) 16K Multicast groups 128  Number of VLANS 4K 4K  Packet forwarding rate (64 byte packet size) (Mfps or Mpps) 11.9 Mfps 10.0 Mbps: <32 µs 10.0 Mbps: <32 µs 10.0 Mbps: <32 µs 10.0 Mbps: <41 µs 10.0 Mbps: <45 µs 10.0 Mbps: <41 µs 10.0	PERFORMANCE SPECIFICATION			
Randwidth 100 Gbps Priority queues 8  Priority queues 8  Receiver y queues 9  Receiver y queu	Packet buffer memory (Dynamically shared across only used ports)	1.5MB		
Priority queues  Priority queuing  Weighted Round Robin (WRR)  WAC Address database size (48-bit MAC addresses)  16K  Multicast groups  128  Number of VLANs  AK  Packet forwarding rate (64 byte packet size) (Mfps or Mpps)  11.9 Mfps  Speed / Latency  10Mbps: <32 µs 1000Mbps: <40 µs 1000Mbps: <4	Forwarding modes	Store-and-forward		
Priority queuing Weighted Round Robin (WRR)  WAC Address database size (48-bit MAC addresses)  16K  Multicast groups  128  Number of VLANS  AK  Packet forwarding rate (64 byte packet size) (Mfps or Mpps)  11.9 Mfps  10Mbps: <32µs 100Mbps: <43µs 100Mbps: <49µs 100Mbps: <40µs 100Mbps: <40µs 100Mbps: <40µs 100Mbps: <40µs 100Mbps: <40µs 1	Bandwidth	100 Gbps		
MAC Address database size (48-bit MAC addresses)  16K Multicast groups 128 Number of VLANs 4K Packet forwarding rate (64 byte packet size) (Mfps or Mpps) 11.9 Mfps 11.9 Mfps 10Mbps: <32µs 100Mbps: <4µs 1000Mbps: <4µs	Priority queues	8		
Authiticast groups Author of VLANs Auxiliary (64 byte packet size) (Mfps or Mpps) Auxiliary (64 byte packet size) (Mfps or Mpps) Auxiliary (65 byte of VLANs Auxiliary (66 byte packet size) (Mfps or Mpps) Auxiliary (67 byte of VLANs Auxiliary (67 byte of VLANs) Auxiliary (67 by	Priority queuing	Weighted Round Robin (WRR)		
Aumber of VLANs  Ak Packet forwarding rate (64 byte packet size) (Mfps or Mpps)  11.9 Mfps  10Mbps: <32µs 100Mbps: <6µs 100Mbps: <6µs 1000Mbps: <4µs 1000Mbp	MAC Address database size (48-bit MAC addresses)	16K		
Packet forwarding rate (64 byte packet size) (Mfps or Mpps)  11.9 Mfps  10Mbps: <32µs 100Mbps: <6µs 1000Mbps: <4µs 1000Mbps: <	Multicast groups	128		
Speed / Latency  10Mbps: <3µs 1000Mbps: <4µs 1000Mb	Number of VLANs	4K		
Speed / Latency  10Mbps: <32µs 1000Mbps: <4µs 1000M	Packet forwarding rate (64 byte packet size) (Mfps or Mpps)	11.9 Mfps		
Acoustic noise level @ 25°C (dBA) (ANSI-S10.12)  Mean Time Between Failures (MTBF) @ 25°C  1,031,177 hours  2.2 SERVICES - VLANS  EEE 802.1Q VLAN tagging  Yes  Port-based VLANs (physical)  2.2 SERVICES - AVAILABILITY  Broadcast, multicast, unknown unicast storm control  Yes  Static Manual LAGs (Port Trunking)  Yes  2.2 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  GMP snooping querier  No  Block unknown multicast  Yes  3.3 SERVICES - DHCP  CHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes  1,031,177 hours  1,031,177 hou	Speed / Latency	10Mbps: <32μs 100Mbps: <6μs		
Mean Time Between Failures (MTBF) @ 25°C  1,031,177 hours  2,2 SERVICES - VLANS  EEE 802.1Q VLAN tagging  Yes  Port-based VLANs (physical)  2,2 SERVICES - AVAILABILITY  Broadcast, multicast, unknown unicast storm control  Yes  Static Manual LAGs (Port Trunking)  ACCP  Yes  EEE 802.3x (full duplex and flow control)  Yes  2,2 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  Yes  GMP snooping querier  No  Block unknown multicast  Yes  GMP snooping router port  Yes  3,3 SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	Jumbo frame support	Up to 9K packet size		
22 SERVICES - VLANS EEE 802.1Q VLAN tagging Yes Port-based VLANs (physical) Yes 22 SERVICES - AVAILABILITY Roadcast, multicast, unknown unicast storm control Yes Static Manual LAGs (Port Trunking) Yes ACP Yes EEE 802.3x (full duplex and flow control) Yes 22 SERVICES - MULTICAST FILTERING GMP snooping (v1, v2 and v3) Yes GMP snooping querier No Block unknown multicast Yes GMP snooping router port Yes 33 SERVICES - DHCP DHCP client Yes LINK AGGREGATION Static Manual LAGs (Port Trunking) Yes	Acoustic noise level @ 25°C (dBA) (ANSI-S10.12)	Fanless		
EEE 802.1Q VLAN tagging Port-based VLANs (physical) Port-b	Mean Time Between Failures (MTBF) @ 25°C	1,031,177 hours		
Port-based VLANs (physical)  22 SERVICES - AVAILABILITY  Broadcast, multicast, unknown unicast storm control  Postatic Manual LAGs (Port Trunking)  ACP  ACP  Yes  EEE 802.3x (full duplex and flow control)  Yes  22 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  FOR SHOOP SHOOP SHOOP SHOP SHOP SHOP SHOP S	L2 SERVICES - VLANS			
2 SERVICES - AVAILABILITY 3 roadcast, multicast, unknown unicast storm control Yes Static Manual LAGs (Port Trunking) Yes 2.ACP Yes EEE 802.3x (full duplex and flow control) Yes 2.2 SERVICES - MULTICAST FILTERING GMP snooping (v1, v2 and v3) Yes GMP snooping querier No Block unknown multicast Yes GMP snooping router port Yes 3.3 SERVICES - DHCP DHCP client Yes LINK AGGREGATION Static Manual LAGs (Port Trunking) Yes	IEEE 802.1Q VLAN tagging	Yes		
Broadcast, multicast, unknown unicast storm control  Yes Static Manual LAGs (Port Trunking)  ACP  Yes EEE 802.3x (full duplex and flow control)  Yes  2 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  Yes  GMP snooping querier  No Block unknown multicast  Yes  GMP snooping router port  Yes  CHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes  Yes	Port-based VLANs (physical)	Yes		
Static Manual LAGs (Port Trunking)  LACP  Yes  EEE 802.3x (full duplex and flow control)  Yes  2 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  Yes  GMP snooping querier  No  Block unknown multicast  Yes  GMP snooping router port  Yes  3 SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	L2 SERVICES - AVAILABILITY			
ACP Yes  EEE 802.3x (full duplex and flow control)  2 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  Fes GMP snooping querier  No  Block unknown multicast  GMP snooping router port  SERVICES - DHCP  DHCP client  Static Manual LAGs (Port Trunking)  Yes  Yes  Yes  Yes  Yes  Yes	Broadcast, multicast, unknown unicast storm control	Yes		
EEE 802.3x (full duplex and flow control)  2 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  Yes  GMP snooping querier  No  Block unknown multicast  Yes  GMP snooping router port  Yes  CHCP client  Yes  CHCP client  Yes  Static Manual LAGs (Port Trunking)  Yes	Static Manual LAGs (Port Trunking)	Yes		
2 SERVICES - MULTICAST FILTERING  GMP snooping (v1, v2 and v3)  GMP snooping querier  No Block unknown multicast  Yes  GMP snooping router port  Yes  3 SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	LACP	Yes		
GMP snooping (v1, v2 and v3)  GMP snooping querier  No Block unknown multicast  Yes  GMP snooping router port  Yes  3 SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	IEEE 802.3x (full duplex and flow control)	Yes		
GMP snooping querier  Block unknown multicast  GMP snooping router port  Yes  3 SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	L2 SERVICES - MULTICAST FILTERING			
Block unknown multicast  GMP snooping router port  Yes  3 SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	IGMP snooping (v1, v2 and v3)	Yes		
GMP snooping router port  3 SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	IGMP snooping querier	No		
A SERVICES - DHCP  DHCP client  Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking)  Yes	Block unknown multicast	Yes		
DHCP client Yes  LINK AGGREGATION  Static Manual LAGs (Port Trunking) Yes	IGMP snooping router port	Yes		
LINK AGGREGATION Static Manual LAGs (Port Trunking) Yes	L3 SERVICES - DHCP			
Static Manual LAGs (Port Trunking) Yes	DHCP client	Yes		
	LINK AGGREGATION			
ACP Yes	Static Manual LAGs (Port Trunking)	Yes		
	LACP	Yes		
# of Static or LACP LAGs # of Members in each LAG 8 LAGs with max 8 members in each LAG	# of Static or LACP LAGs # of Members in each LAG	8 LAGs with max 8 members in each LAG		

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PRODUCT	GS750E	
NETWORK MONITORING AND DISCOVERY SERVICES		
Broadcast, multicast, unknown unicast storm control	Yes	
DoS attacks prevention	Yes	
QUALITY OF SERVICE (QOS)		
Port-based rate limiting	Ingress and egress	
Port-based QoS	Yes	
IEEE 802.1p COS	Yes	
IPv4 DSCP	Yes	
IPv4 ToS	Yes	
TCP/UDP-based	No	
Weighted Round Robin (WRR)	Yes	
Strict priority queue technology	No	
Voice VLAN	Yes	
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#### IEEE STANDARDS SUPPORTED

- IEEE 802.3 Ethernet
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.1Q VLAN Tagging
- IEEE 802.3x Full-Duplex Flow Control
- IEEE 802.1p Class of Service
- IEEE 802.3az Energy Efficient Ethernet (EEE)

MANAGEMENT		
Password management	Yes	
Web browser-based graphical user interface (GUI)	Yes	
ProSAFE Plus Configuration Utility (PCU) for multi-switch management	Yes	
Firmware upgrade	TFTP (Plus Utility) / HTTP (Web GUI)	
Config file transfers (backup, restore)	Plus Utility or Web GUI	
Firmware upgrade through Plus Utility (TFTP)	Yes	
Config download (to switch) through Plus Utility	Yes	
Config upload (to server) through Plus Utility	Yes	
Firmware upgrade through web GUI (HTTP)	Yes	
Config download (to switch) through web GUI (HTTP)	Yes	
Config upload (to server) through web GUI (HTTP)	Yes	
Cable test utility	Yes	
LEDS		
Per port Per port	Speed, Link, Activity	
Per device	Power	
PHYSICAL SPECIFICATIONS		
Dimensions (W x D x H)	440 x 204 x 43 mm (17.3 x 8 x 1.7 in)	
Weight	3.25 kg (7.17 lb)	

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PRODUCT	GS750E
POWER CONSUMPTION	
Power Supply	Fixed internal PSU, 100–240VAC, 50–60Hz, 1A max Power cord localized to country of sale
Max power (worst case, all ports used, line-rate traffic) (Watts)	30.0W
Min power (link-down standby) (Watts)	11.38W
Heat Dissipation (max and min) (BTU/hr)	Max: 102.7 BTU/hr Min: 38.9 BTU/hr
Energy Efficient Ethernet (EEE) IEEE 802.3az	Yes
Short cable power reduction	Yes
Auto power-down	Yes
Fan(s)	Fanless
ENVIRONMENTAL SPECIFICATIONS	
Operating	
Operating temperature	0° to 50°C (32° to 122°F)
Humidity (relative)	90% maximum relative humidity (RH), non-condensing
Altitude	10,000ft (3,000m) maximum
Storage	
Storage temperature	−20° to 70°C (− 4° to 158°F)
Humidity (relative)	95% maximum relative humidity, non-condensing
Altitude	10,000ft (3,000m) maximum
ELECTROMAGNETIC EMISSIONS AND IMMUNITY	
Certifications	47 CFR FCC Part 15, SubpartB, ClassB ICES-003:2016 Issue 6, ClassB ANSI C63.4:2014
	EN 55022:2010 + AC:2011, Class A EN 55024:2010 EN 61000-3-2:2014, Class A EN 6100-3-3:2013
	AS/NZS CISPR 22:2009 + A1:2010, Class B
	VCCI V-3/2015.04, Class A V-4/2012.4
	Russia EAC mark
	Korea KC mark
	CNS 13438
Electromagnetic Compliance (Class A or B)	Class A

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PRODUCT		GS750E		
SAFETY				
Certifications	CB mark, com	mercial IEC 60950-1:2005(ed.2) + A1:2009 + A2:2013		
	UL/cUL List	ted (UL 60950-1)/CAN/CSA C22.2 No. 60960-1-07		
	EN 60950-1	: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013		
	IE	C 60950-1:2005 (ed.2)+A1:2009+A2:2013		
		AN/NZS 60950.1:2015		
		Russia EAC mark		
WARRANTY AND SUPPORT				
ProSAFE Lifetime Warranty				
Lifetime 24x7 Online Technical Support*				
Lifetime Next-Business-Day (NBD) Replacement				
ProSUPPORT OnCall 24x7, Service Packs**	ProSUPPORT OnCall 24x7, Service Packs**  Category 1: PMB0311 (1 yr.), PMB0331 (3 yrs.), PMB0351 (5 yrs.)			

### **Ordering Information**

PACKAGE CONTENT	PACKAGE CONTENT			
All Models	48-Port Gigabit Smart Managed Plus Switch with 2-Port SFP (GS750E)			
	Power cord (localized to country of sale)			
	Rack-mounting kit			
	Quick install guide			
Resource CD with installation guide, ProSAFE Plus utility software and links to additional online docu including the Web browser-based management GUI User Manual and datasheet.				
ORDERING INFORMATION	ORDERING INFORMATION			
GS750E-100NAS	North America and Latin America			
GS750E-100EUS	Europe and United Kingdom			
GS750E-100AJS	Asia Pacific and Australia			
OPTIONAL MODULES AND ACCESSORIES				
AGM731	SFP Transceiver 1000BASE-SX (Short range, multimode)			
AGM732F	SFP Transceiver 1000BASE-LX (Long range, single mode)			
AGM734	SFP Transceiver 1000BASE-T Copper RJ45 GBIC			

<sup>\*</sup> This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty; covers hardware, fans, and internal power supplies - not software or external power supplies; see http://www.netgear.com/about/warranty/ for details. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller.

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<sup>\*\*</sup> The NETGEAR OnCall 24x7 contract provides unlimited phone and email technical support for your networking product. For ProSAFE products purchased prior to 06/2014, also includes next business-day hardware replacement.

<sup>†</sup> NETGEAR #1 in Fixed Web(Smart)-Managed Worldwide Market Share according to IHS Infonetics Ethernet Switches Market Share and Forecast, 1Q17 Edition, Dec 2016.