### DATASHEET





## Enterprise Gateway Router with Gigabit Ethernet

Models: USG, USG-PRO-4

Advanced Security, Monitoring, and Management

Sophisticated Routing Features

Integrated with UniFi® Controller Software





#### Affordable Enterprise Network Security

Ubiquiti Networks introduces the UniFi® Security Gateway, which extends the UniFi Enterprise System to encompass routing and security for your network.

The UniFi Security Gateway combines reliable security features with high-performance routing technology in a cost-effective unit.

Two models are available:

- USG-PRO-4 Rack-mountable form factor with fiber connectivity options and a dual-core,
  1 GHz processor for maximum hardware-accelerated performance.
- USG Wall-mountable form factor with a dual-core, 500 MHz processor for standard hardware-accelerated performance.

#### Powerful Firewall Performance

The UniFi Security Gateway offers advanced firewall policies to protect your network and its data.

#### **Convenient VLAN Support**

The UniFi Security Gateway can create virtual network segments for security and network traffic management.

#### VPN Server for Secure Communications

A site-to-site VPN secures and encrypts private data communications traveling over the Internet.

## QoS for Enterprise VoIP and Video

Top QoS priority is assigned to voice and video traffic for clear calls and lag-free, video streaming.

The UniFi Security Gateway is deployed in the same manner as UniFi Access Points for wireless networking. Use the intuitive UniFi Controller to conduct device detection, provisioning, and management.



Example of a UniFi Enterprise System



Network Segmentation with VLAN



## Datasheet

# UNFFI® security

## UniFi Controller

Introducing the new UniFi Controller software featuring a refreshed UI and support for the next generation of UniFi devices.

#### **Improved User Experience**

Redesigned to be more intuitive and easier to navigate, the new UI raises the bar for enterprise network management efficiency. Important network details are logically organized for a simplified, yet powerful, interface.

#### **Packed with Features**

Use the UniFi Controller to provision thousands of UniFi APs and UniFi Security Gateways, map out networks, quickly manage system traffic, and provision additional UniFi devices.

#### **Network Overview**

A comprehensive overview of your Network Health is readily available in the new dashboard. Monitor your network's vitals and make on-the-fly adjustments as needed.

#### **Detailed Analytics**

Use the configurable reporting and analytics to monitor large user groups and expedite troubleshooting. Advanced search and sorting capabilities make network management more efficient.

#### **Multi-Site Management**

A single UniFi Controller running in the cloud can manage multiple sites: multiple, distributed deployments and multi-tenancy for managed service providers. Each site is logically separated and has its own configuration, maps, statistics, guest portal, and administrator read/write and read-only accounts.

#### LAN/WLAN Groups

The UniFi Controller can manage flexible configurations of large deployments. Create multiple LAN and WLAN groups and assign them to the respective UniFi devices.



#### Dashboard

UniFi provides a visual representation of your network's status and delivers basic information about each network segment.



#### Maps

Upload a map of your location(s) or use Google Maps to represent the areas where your UniFi devices are located.

UniFi									
ALL	24) GATEWAY/SWITCHES (6) A	PS (18) PHONES (0)					Search		
+	DEVICE NAME	IP ADDRESS	STATUS	MODEL	VERSION	UPTIME	ACTIONS		
453	Rack USG-Pre-4	192.168.1.1	CONNECTED	UniFi Security Gateway 4P	4.3.11.4852827	3d 55m 45s	0 LOCATE	C 10514	
45	Attic- US-16-150W	192.168.1.233	(COMMOLTED)	UniFi Switch 16 POE-150W	3.5.1.4088	10d 18h 45m 7s	UDCATE	O HIN	,
444	DownStains US-48-500W	192.168.1.191	(COMMOCINE)	UniFi Switch 48 POE-500W	3.5.1.4088	4d 21h 55m 15s	UDCATE	O HIN	,
444	Workshop US-48-750W	192.168.1.246	(COMMICTED)	UniFI Switch 48 POE-750W	3.5.1.4088	3d 21h 12m 13s	COCATE	O 16574	,
444	Rack US-48-750W	192.168.1.6	(COMMICTED)	UniFi Switch 48 POE-750W	3.5.1.4088	4d 21h 55m 29s	0 LOCATE	O 15570	,
455	PatchPanel US-8-150W	192.168.1.204	COMMICTED	UniFI Switch 8 POE-150W	3.5.1.4088	1d 8h 10m 17s	0 LOCATE	O HISTO	,
	AC-Broadcom	192.168.1.231			C 0 4 7 X	4d 21h 53m 4s	0 LOCATE	O 15570	,
0	AC-LITE	192.168.1.162	Rack USG-Pro-4	4	G V B M X	3d 21h 17m 32s	0 LOCATE	O HISTO	,
0	AC-LR-Datement	192.168.1.137				4d 21h 54m de	0 LOCATE	O 16570	,
0	44:07:x7:02:04:33	192.168.1.197				3d 21h 1m 32s	0 LOCATE	O HISTO	,
0	44:07:x7:02:04:44	192.168.1.198	LAN 1	LAN 2 WAN 1	WAN 2	3d 19h 26m 8s	0 LOCATE	O 16570	,
0	AC-Pro-Basement	192.168.1.7	= DISABLED = C	ISCONNECTED I GBPS	300/30 MBPS	4d 21h 53m 31a	0 LOCATE	O HISTO	,
0	44:07:x7:07:02:07	192.168.1.200	Details Networks Cor	nguration		9d 17h 59m 46s	0 LOCATE	O 16570	,
0	Prototype1 UAP-AC-Pro	192.168.1.182	~ OVERVIEW			1d 8h 9m 12s	0 LOCATE	O HISTO	,
0	AC-Pro-Crawlapace	192.168.1.134	MAC Address	44.49:x7.95.65x3		3d 21h 19m 14s	0 LOCATE	O HISTO	,
1	Timeout	192.168.1.235	Model Version	UniFi Security Gateway 4P 4.3.14dev.4869230		3d 8h 9m 34s	0 LOCATE	O HISTO	,
8	Living	192.168.1.136	LAN IP Address	192.168.1.1		3d 8h 8m 36s	0 LOCATE	O RETRI	,
	Sitting	192.168.1.124	Uptime	11d 4h 56m 36s		3d 8h 8m 5ds	0 LOCATE	O HISTO	,
8	Master	192.168.1.158	> WAN 1			3d 8h 8m 38s	0 LOCATE	O ISTN	,
	Loft	192.168.1.139	(CONNECTED)	Unifi AP-In Wal	3.5.1.4088	3d 8h 8m 32s	0 LOCATE	O HISTO	,
8	Basement	192.168.1.140	(CONNICTER)	Unifi AP-In Wall	3.5.1.4088	3d 8h 8m 25s	0 LOCATE	O ISTN	,
	24a43c942td9	192.168.1.122	(CONNICTER)	UniFi AP-Outdoor+	3.5.1.4088	3d 17h 22m 54s	0 LOCATE	O RETRI	,
۲	Pro-reamtest2	192.168.1.164	(CONNICTER)	UniFi AIP-Pro	3.5.1.4088	3d 8h 20n 25s	0 LOCATE	O ISTN	,
0	Pro-roamtest	192.168.1.141	CONVECTED	UniFi AP-Pro	3.5.1.4088	3d 21h 16m 4hs	Ø LOCATE	C 1010	2

#### **Device Configuration**

The *Devices* screen displays a list of UniFi devices discovered by the UniFi Controller. You can access each managed device for device details and configuration.

3



#### Model: USG-PRO-4

The USG-PRO-4 offers optional SFP ports for fiber connectivity to support backhaul applications.

- (2) 10/100/1000 RJ45 Ports
- (2) 10/100/1000 RJ45/SFP Combination Ports
- (1) RJ45 Serial Console Port
- Rack-Mounting Capability

- Layer 3 Forwarding Performance
  - Packet Size of 64 Bytes: 2,400,000 pps
  - Packet Size of 512 Bytes or Larger: 4 Gbps (Line Rate)





Back Panel



#### Model: USG

The USG features a compact form factor and fanless operation for discreet integration.

- (3) 10/100/1000 RJ45 Ports\*
- (1) RJ45 Serial Console Port
- Quiet, Fanless Operation
- Wall-Mounting Capability
- Layer 3 Forwarding Performance
  - Packet Size of 64 Bytes: 1,000,000 pps
  - Packet Size of 512 Bytes or Larger: 3 Gbps (Line Rate)
- \* VOIP port is available for port remapping in UniFi v5.



Top Panel



Front Panel



## **Specifications**

UniFi Security Gateway Pro					
Dimensions	484 x 44 x 164 mm (19.06 x 1.73 x 6.46")				
Weight	2.3 kg (5.07 lb)				
Max. Power Consumption	40W				
Power Supply	Internal AC/DC Power Adapter, 60W (24V, 2.5A)				
Power Input	110 - 240VAC				
LEDs System Data Ports	Status Speed/Link/Activity				
Networking Interfaces Serial Console Port Data Ports	(1) RJ45 Serial Port (2) 10/100/1000 RJ45 Ports (2) 10/100/1000 RJ45/SFP Combination Ports				
Layer 3 Forwarding Performance Packet Size: 64 Bytes Packet Size: 512 Bytes or Larger	2,400,000 pps 4 Gbps (Line Rate)				
Processor	Dual-Core 1 GHz, MIPS64 with Hardware Acceleration for Packet Processing				
System Memory	2 GB DDR3 RAM				
On-Board Flash Storage	4 GB				
Certifications	CE, FCC, IC				
Rackmount	Yes				
Operating Temperature	-10 to 45° C (14 to 113° F)				
Operating Humidity	10 to 90% Noncondensing				





## **Specifications**

UniFi Security Gateway					
Dimensions	135 x 135 x 28.3 mm (5.32 x 5.32 x 1.11")				
Weight	366 g (12.9 oz)				
Max. Power Consumption	7W				
Power Supply	12VDC, 1A Power Adapter (Included)				
Power Input	9 to 24VDC, Supported Voltage Range				
LEDs System Serial Console Port Data Ports	Status Power Speed/Link/Activity				
Networking Interfaces Serial Console Port Data Ports	(1) RJ45 Serial Port (3) 10/100/1000 Ethernet Ports*				
Layer 3 Forwarding Performance Packet Size: 64 Bytes Packet Size: 512 Bytes or Larger	1,000,000 pps 3 Gbps (Line Rate)				
Processor	Dual-Core 500 MHz, MIPS64 with Hardware Acceleration for Packet Processing				
System Memory	512 MB DDR2 RAM				
On-Board Flash Storage	2 GB				
Certifications	CE, FCC, IC				
Wall-Mountable	Yes				
Operating Temperature	-10 to 45° C (14 to 113° F)				
Operating Humidity	10 to 90% Noncondensing				

 $^{\ast}$   $\,$  VOIP port is available for port remapping in UniFi v5.



