UB-UCG INDUSTRIAL

Ubiquiti UCG-IND UniFi Cloud Gateway Industrial

Product Overview

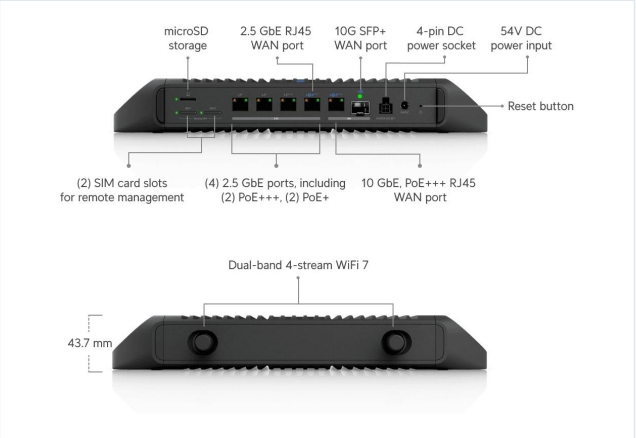
Ubiquiti UCG-IND UniFi Cloud Gateway Industrial, 15x HD or 8x 2K or 5x 4K Managed cameras, 50 Managed Access hubs, 500+ simultaneous users connected, 1x 10G SFP+ Port, 1x 10 GbE RJ45 Port, 1x 2.5 GbE RJ45 Port, 5 Gbps IDS/IPS Throughput, 115 m2 coverage area, WiFi 7, 4.3 Gbps @ 5GHz Throughput, 688 Mbps @ 2.4GHz Throughput, MicroSD card Expansion slot, 270W PoE budget, 30W PoE+ per Port, 90W PoE+++ per Port











Specifications

Overview Summary:

Secure and streamline your business network with the Ubiquiti UniFi Cloud Gateway Industrial, engineered for high-demand environments in South Africa. This all-in-one solution combines enterprise-grade routing, WiFi 7 wireless capabilities, and robust security features like IDS/IPS into a compact, fanless design that withstands extreme temperatures.

Equip your facility with a reliable foundation capable of supporting over 500 simultaneous users and multiple high-resolution cameras without compromising speed. With integrated WiFi 7 for faster wireless throughput and ample PoE budget to power access points and sensors, this gateway ensures seamless operations even in challenging conditions.

Buy now to upgrade your infrastructure with a durable platform that simplifies management through the UniFi app suite while maintaining top-tier security standards. Shop now for immediate deployment of advanced networking and surveillance capabilities tailored for industrial and commercial growth.

Performance tier: Enterprise

Uses: Network management, video surveillance, Wi-Fi access control, SD-WAN connectivity, internet security, centralized device monitoring, PoE powered deployments

Overview:

The Ubiquiti UCG-IND UniFi Cloud Gateway Industrial is engineered for demanding environments where performance, reliability, and scalability are critical. Built with a rugged, fanless design, it delivers advanced routing, high-density PoE output, and full UniFi application support in a compact form factor. With support for over 500 simultaneous users and up to 50 managed devices, this gateway is suited for industrial deployments, large offices, and high-traffic network environments. Integrated WiFi 7 capability and multi-gigabit connectivity ensure fast, stable wireless and wired performance, while built-in storage and security tools provide a complete, all-in-one networking solution.

Description:

The UCG-IND combines enterprise-grade routing, switching, and wireless functionality into a single industrial-grade platform. Designed for high-density deployments, it supports multiple high-resolution cameras, access control systems, and large user loads without compromising performance. With a substantial PoE budget, flexible mounting options, and advanced security including IDS/IPS and deep packet inspection, it delivers both power and intelligence at the network edge. Integrated UniFi applications enable centralized management of network, surveillance, access, and communication systems, making it a

versatile solution for complex infrastructures.

Features:

Key Features:

- Supports up to 50 managed devices including networks, cameras, and access hubs
- Handles over 500 simultaneous users with high throughput performance
- Includes built-in WiFi 7 with coverage for up to 115 square meters
- Dual-band wireless speeds reaching 4.3 Gbps on the 5 GHz band
- Premier industrial-grade security with IDS/IPS and deep packet inspection
- Fanless design ensures silent operation in harsh environments

The Ubiquiti UniFi Cloud Gateway Industrial, part number UB-UCG INDUSTRIAL, provides a robust and scalable foundation for modern networks that demand high throughput, advanced security, and centralized management in a single, durable platform. Its dimensions measure 307.9 x 203.5 x 43.7 mm for the device itself.

Connectivity and Power Specifications
This model is equipped with a versatile range of high-speed ports to support modern networking demands. Multi-gigabit Ethernet and SFP+ connectivity allow for flexible WAN and LAN configurations, while PoE capabilities simplify device deployment. The unit includes one 10G SFP+ port and one 10 GbE RJ45 port for high-speed uplinks, alongside a 2.5 GbE RJ45 WAN port plus additional 2.5 GbE LAN ports.

The gateway features four 2.5 GbE RJ45 ports including PoE+ and PoE+++ support, delivering up to 90W of power per port for power-hungry devices with a total PoE budget of 270W for dense device deployments.

- 1x 10G SFP+ Port
- 1x 10 GbE RJ45 Port (PoE+++)
- 4x 2.5 GbE RJ45 Ports (2 PoE+++, 2 PoE+)
- Total PoE Budget: 270W
- Max Power per Port: 90W (PoE+++)

Integrated WiFi 7 Performance
Built-in wireless capability ensures high throughput and efficient coverage without requiring additional access points for smaller deployments. The gateway supports WiFi 7 with backward compatibility for older standards, offering up to 4.3 Gbps throughput on the 5 GHz band and up to 688 Mbps on the 2.4 GHz band.

- WiFi Standard: 802.11a/b/g/n/ac/ax/be (WiFi 6, WiFi 7)
- Throughput: 4.3 Gbps @ 5GHz / 688 Mbps @ 2.4GHz
- MIMO: 2x2 MU-MIMO on both bands
- Coverage Area: Up to 115 square meters

Advanced Security and Traffic Management
The gateway includes enterprise-level security features designed to protect and optimize network traffic across all connected devices. Key capabilities include a stateful and application-aware Layer 7 firewall, deep packet inspection and traffic identification, and intrusion detection and prevention with over 55000 signatures.

- Stateful and Application-Aware Layer 7 Firewall
- Intrusion Detection/Prevention (IDS/IPS) with 55,000+ signatures
- VLAN and subnet-based traffic segmentation
- Content filtering and ad blocking
- Zone-based firewall policies with advanced filtering

VPN and SD-WAN Capabilities
Secure remote access and site connectivity are built in, with multiple VPN protocols and simplified deployment options. This

includes license-free SD-WAN functionality, support for Site-to-Site VPN including IPsec and OpenVPN, and WireGuard and L2TP VPN server support.

- License-Free SD-WAN
- Site-to-Site: IPsec, OpenVPN, Site Magic
- VPN Server: Teleport Zero-Config, WireGuard, OpenVPN, L2TP
- Client Support: OpenVPN and WireGuard clients

Hardware and System Design
The industrial-grade construction ensures reliable operation in harsh environments while maintaining efficient thermal performance. The unit features a fanless design for silent and dust-resistant operation, powered by a quad-core ARM Cortex-A73 processor at 2.2 GHz with 3 GB of system memory.

- Processor: Quad-core ARM Cortex-A73 @ 2.2 GHz
- System Memory: 3 GB
- Storage: Pre-installed 128 GB microSD + Expansion Slot
- Operating Temperature: -30 to 50 degrees Celsius

Deployment Flexibility
Designed to adapt to different installation requirements, the unit supports multiple mounting options including wall-mounted installation, desktop placement with the included stand, or rack mounting using an optional accessory. The device comes with a 350W power supply and can consume up to 28W of maximum device power excluding PoE output.

What's in the box

- Ubiquiti UCG-IND UniFi Cloud Gateway Industrial unit
- Desktop table stand
- 350W power supply adapter with necessary cables

Specifications:

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Specifications	
Product Code	UB-UCG INDUSTRIAL
Overview	
Dimensions	Device: 307.9 x 203.5 x 43.7 mm
	(12.1 x 8 x 1.7")
	Table stand: 203.5 x 100.2 x 21.9 mm
	(8 x 3.9 x 0.9")
UniFi Application Suite	
Network	Yes
Protect	Yes
Access	Yes
Talk	Yes
Connect	Yes

Managed UniFi Devices	50+
Managed Cameras	(15) HD
	(8) 2K
	(5) 4K
Managed Access Hubs	50
Simultaneous Users Connected	500+
Max. WAN Port Count	5
Default WAN Ports	(1) 10G SFP+
	(1) 10 GbE RJ45
	(1) 2.5 GbE RJ45
Port Layout	
2.5 GbE RJ45	4 (2 PoE+++, 2 PoE+)
	(2.5G/1G/100M)
10 GbE RJ45	1 (PoE+++)
	(10G/5G/2.5G/1G/100M)
10G SFP+	1
	(10G/1G)
IDS/IPS Throughput	5 Gbps
Form Factor	Wall-mounted
	Compact desktop (Table stand included)
	Rack mount (Accessory sold separately)
Coverage Area	115 m² (1,250 ft²)
Security	
Stateful Firewall	Yes
Application-Aware Layer 7 Firewall	Yes
DPI & Traffic Identification	Yes
Zone-Based Firewall Advanced Filtering (Regions, Domains, Apps)	Yes
Content Filtering	Yes
Intrusion Prevention (IPS/IDS)	Yes
Ad Blocking	Yes
IDS/IPS Signatures	55,000+ with CyberSecure
VLAN/Subnet-based Traffic Segmentation	Yes
VPN & SD-WAN	
License-Free SD-WAN	Yes
Site-to-Site VPN	

Site Magic	Yes
IPsec	Yes
OpenVPN	Yes
VPN Server	
Identity Endpoint One-Click VPN	Yes
Teleport Zero-Configuration VPN	Yes
WireGuard	Yes
OpenVPN	Yes
L2TP	Yes
VPN Client	
OpenVPN	Yes
WireGuard	Yes
Networking	
Multi-WAN Load Balancing	Yes
Dynamic Routing	
OSPF	Yes
Advanced QoS	Yes
Multicast DNS (mDNS)	Yes
Advanced NAT (SNAT / DNAT / Masquerade / NAT Pooling / 1-to-1 NAT)	Yes
Integrated RADIUS Server	Yes
RADIUS over TLS (RadSec)	Yes
Additional Internet Failover with UniFi LTE Backup	Yes
Internet Quality and Outage Reporting	Yes
MAC Address Table Size	4000
Virtual Network Override	Yes
All Traffic Flows	-
Integrated WiFi	
WiFi Standard	802.11a/b/g/n/ac/ax/be (WiFi 6, WiFi 7)
Throughput	
5 GHz	4.3 Gbps
2.4 GHz	688 Mbps
MIMO	
5 GHz	2 x 2 (DL/UL MU-MIMO)
2.4 GHz	2 x 2 (DL/UL MU-MIMO)

Antenna Gain	
5 GHz	Stub antenna: 5 dBi
	Terminal (Omni) antenna: 6 dBi
2.4 GHz	Stub antenna: 3 dBi
	Terminal (Omni) antenna: 6 dBi
Max. TX Power	
5 GHz	26 dBm
2.4 GHz	23 dBm
Supported Data Rates	
802.11be (WiFi 7)	7.3 Mbps to 4.3 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240)
802.11ax (WiFi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps
802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
Hardware	
NVR Storage	Pre-installed 128 GB microSD for NVR
Expansion Slot	MicroSD Card
PoE Budget	DC input: 270W
	ATX power: 75W
Max. PoE Wattage per Port by PSE	
PoE+	30W
PoE+++	90W
Voltage Range PoE Mode	50-57V
Max. Power Consumption	28W (Excluding PoE output)
Power Method	(1) DC Input (350W PSU)
	(1) ATX power (48V)
Power Supply	54V DC, 350W (Adapter included)
	ATX power (48V)
Supported Voltage Range	100-240V AC
Heat Dissipation	85 BTU/hr (Excluding PoE output)
Processor	Quad-core ARM Cortex -A73 at 2.2 GHz
System Memory	3 GB
Weight	Device: 2.4 kg (5.3 lb)
	Table stand: 321 g (11.3 oz)

Enclosure Material	Device: Polycarbonate, aluminium alloy
	Table stand: Polycarbonate, galvanized steel, silicone rubber
Management	Ethernet
	Bluetooth
LEDs	
Ethernet	Yes
SFP+	Yes
System	Yes
MicroSD	Yes
SIM	Yes
Button	(1) Factory reset
	(2) Handle release buttons
ESD/EMP Protection	Air: +/- 8kV, contact: +/- 4kV
Ambient Operating Temperature	-30 to 50degrees C (-22 to 122degrees F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	Yes
Certifications	CE, FCC, IC
Application Requirements	
Web Application	UniFi iOS : Version 10.32.0 and later
	Android : Version 10.35.0 and later

FAQ

Is the Ubiquiti UCG-IND suitable for large-scale industrial deployments?
The device is engineered for demanding environments, supporting up to 50 managed devices, over 500 simultaneous users, and high-density camera setups including up to 15 HD or 5 4K cameras.

What are the connectivity and power capabilities of this gateway?
It features a quad-core processor with one 10G SFP+ port, one 10 GbE RJ45 port, and four 2.5 GbE ports that support up to 90W PoE+++ per port for powering high-demand devices.

Does the unit include built-in wireless networking?
Yes, it integrates WiFi 7 capability with a coverage area of up to 115 m2 and delivers throughput speeds of 4.3 Gbps on the 5 GHz band.

How is data storage handled for surveillance systems?
The gateway includes a pre-installed 128 GB microSD card for NVR functionality, with an additional MicroSD expansion slot available for increasing storage capacity.

Can the device operate in extreme temperature conditions?
Yes, its rugged fanless design allows it to function reliably within an ambient operating temperature range of -30 to 50 degrees Celsius.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx.co.za/UB-UCG-INDUSTRIAL-Ubiquiti-UCG-IND-UniFi-Cloud-Gateway-Industrial-p-342516.php

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