Grandstream GCC6010W IPPBX, Firewall, Router, Switch and WiFi (GCC6010W)

Product Name: Grandstream GCC6010W IPPBX, Firewall, Router, Switch and WiFi (GCC6010W)
Manufacturer: Grandstream
Model Number: GCC6010W

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The Grandstream GCC6010 series provides an extraordinary all-in-one solution that redefines the communications experience by merging your unified communications and networking solutions into one platform. These state-of-the-art devices combine the functionality of 4 products to provide an all-in-one solution that includes a VPN router, next-generation firewall, IP PBX, and network switch or Wi-Fi access point. With the GCC Series, you can create and manage wired, wireless, and VPN networks, provide enterprise-grade network security, and utilize a market-leading communication and collaboration platform. These flexible devices provide unified management and centralized control of all Grandstream endpoint solutions, including Wi-Fi APs, network switches, IP Phones, and more. The GCC Series allows full UC, networking, and security solutions to be configured in minutes and managed through the cloud with the Grandstream Device Management System (GDMS), and can also be managed through our mobile app, local Web UI, and SSH console management. Ideal for small-to-medium sized businesses, the GCC6010 Series provides an all-in-one platform that combines all business data, security, communication, and collaboration needs into one device – making it easier and more affordable than ever to build state-of-the-art communication solutions.
Grandstream GCC6011 Key Features:

ï¿½ Built-in IP PBX provides voice and video communications with advanced collaboration features
ï¿½ Built-in enterprise-grade firewall provides anti-virus, layer 3-7 IDS/ IPS, DPI, SSL detection, and more
ï¿½ Built-in VPN router supports 2.5Gbps or 3Gbps to allow easy remote access to private networks
ï¿½ GCC6010W includes a built-in dual-band Wi-Fi 6 AP with 2x2 MIMO technology
ï¿½ Easily configure, deploy, and manage all Grandstream endpoint solutions from one central location
ï¿½ Provides advanced security protection with encrypted traffic, secure booth, unique security certificates, and more
ï¿½ Managed through the cloud (GDMS), mobile app, local WEB UI, SSH, and SNMP
ï¿½ Multiple WAN ports with loadbalancing and failover to maximize connection reliability

Grandstream GCC6010W Technical Specifications
Mechanical

ï¿½ Wi-Fi Standards: IEEE 802.11 a/b/g/n/ac/ax
ï¿½ Antennas: 3 individual internal antennas (2 x dual band + 1 x single band 5G) 2.4GHz: maximum gain 4dBi 5 GHz: maximum gain 6dBi
ï¿½ Wi-Fi Data Rates: 2.4G: IEEE 802.11ax: 7.3 Mbps to 573.5 Mbps IEEE 802.11n: 6.5 Mbps to 300 Mbps IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 5G: IEEE 802.11ax: 7.3 Mbps to 3603 Mbps IEEE 802.11ac: 6.5 Mbps to 2600 Mbps IEEE 802.11n: 6.5 Mbps to 450 Mbps IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps *Actual throughput may vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment and mix of devices in the network
ï¿½ Frequency Bands: 2.4GHz radio: 2400 – 2483.5 MHz (2412-2472MHz is channel central frequency range; 2400-2483.5MHz is Frequency band) 5GHz radio: 5150 - 5895 MHz *Not all frequency bands can be used in all regions

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ï¿½ Channel Bandwidth: 2.4G: 20 and 40 MHz 5G: 20, 40, 80, 160 MHz

ï¿½ Wi-Fi and System Security: WPA/WPA2-PSK, WPA/WPA2 Enterprise (TKIP/AES); WPA3, anti-hacking secure boot and critical data/control lockdown via digital signatures, unique security certificate and random default password per device

ï¿½ MU-MIMO: 2x2:2 2.4GHz 3x3:3 5GHz

ï¿½ Maximum TX Power: 5G: 25.5dBm 2.4G: 28.5dBm *Maximum power varies by country, frequency band and MCS rate

ï¿½ Receiver Senstivity 2.4G 802.11b: -97dBm@1Mbps, -89dBm@11Mbps; 802.11g: -93dBm @6Mbps, -75dBm@54Mbps; 802.11n 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -63dBm @MCS11 5G 802.11a: -93dBm @6Mbps, -75dBm @54Mbps; 802.11n: 20MHz: -73dBm @MCS7; 802.11n 40MHz: -70dBm @MCS7 802.11ac 20MHz: -70dBm@MCS8; 802.11ac: HT40:- 66dBm @MCS9; 802.11ac 80MHz: -62dBm @MCS9; 802.11ax 20MHz: -64dBm @ MCS11; 802.11ax 40MHz: -61dBm @MCS11;802.11ax 80MHz: -58dBm @MCS11 802.11ax 160MHz: -54dBm@MCS11

ï¿½ Network Ports: 5x Gigabit Ethernet ports *All ports are WAN/LAN configurable, max 3x WAN

ï¿½ Auxiliary Ports: 1xMicro-SD, 1xUSB 3.0, 1xReset

ï¿½ Memory 2GB RAM, 32GB eMMC Flash

ï¿½ External Storage: N/A

ï¿½ Router: 3Gbps

ï¿½ IPsec VPN Throughput: 1Gbps

ï¿½ NAT Sessions: 160K

ï¿½ IDS/IPS: 900Mbps

ï¿½ PBX: 12 users and 4 concurrent calls by default Upgrades available for purchase (See more for PBX capacity upgrade options)

ï¿½ Mounting: Desktop

ï¿½ Material: Plastic Mini-Tower

ï¿½ LEDs: 8 x LEDs for device tracking and status indication

ï¿½ Connection Type: DHCP, Static IP, PPPoE

ï¿½ Network Protocols: IPv4, IPv6, IEEE802.1q, IEEE 802.1p, IEEE802.1x, IEEE802.3, IEEE 802.3u, IEEE 802.3x,IEEE802.3ab

ï¿½ QoS: • VLAN, TOS • Support multiple traffic classes, filter by port, IP address, DSCP and policing • App QoS: Application/protocol monitoring and traffic statistics • VoIP Prioritization

ï¿½ Firewall: • DDNS, Port Forwarding, DMZ, UPnP, DoS & Spoofing defense, traffic rules, NAT, ALG • DPI, Anti-Virus, IPS/IDS, SSL proxy • Content Control: DNS filtering, web url/class/key words filtering, application identification and control

ï¿½ VPN: • IPsec VPN Client-to-Site / Site-to-Site • IPSec Encryption: 3DES, AES • IPSec Authentication: MD5, SHA-1, SHA2-256 • IPSec Key Exchange: Main/Aggressive Mode, Pre-shared Key, DH Groups 1/2/5/14 • IPSec Protocols: ESP • IPSec NAT Traversal • PPTP VPN Server / Client • PPTP Encrpytion: MPPE 40-bit, 128-bit • PPTP/L2TP Authentication: MS-CHAPv1/2 • L2TP Client-to-Site • OpenVPN® Server / Client • OpenVPN® Encryption: AES, DES • OpenVPN® Authentication: MD5, SHA-1, SHA2-256, SHA2-384, SHA2-512 • OpenVPN® Certificate: RSA • WireGuard®

ï¿½ Network Management: Grandstream Device Management System (GDMS), Local Web GUI, SSH, and SNMP (v1/ v2c/v3)

ï¿½ Max AP/Clients: Up to 150 GWN APs; Up to 500 Clients

ï¿½ Power and Green Energy Efficiency: Universal power adaptor included: Input 100-240VAC 50-60Hz Output: 12VDC 1.5A (18W);

ï¿½ Environmental: Operation: 0°C to 45°C Storage: -30°C to 60°C Humidity: 5% to 95% Non-condensing

ï¿½ Package Content: GCC6010W, Universal Power Supply, Network Cable, Quick Installation Guide

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ï¿½ Compliance: FCC, CE, RCM, IC

Price: 216.59EUR