Product Name: Grandstream UCM6102 IP PBX
Manufacturer: Grandstream
Model Number: UCM6102

Grandstream UCM6102 IP PBX
The Grandstream UCM6102 is an innovative IP PBX appliance designed to bring enterprise-grade Unified Communications and Security Protection features to small-to-medium businesses (SMBs) in an easy-to-manage fashion.
Grandstream UCM6102 IP PBX Key Features

• 1GHz ARM Cortex A8 application processor, large memory (512MB DDR RAM, 4GB NAND Flash), and dedicated high performance multi-core DSP array for advanced voice processing
• Integrated 2 PSTN trunk FXO ports, 2 analog telephone FXS ports with lifeline capability in case of power outage, and up to 50 SIP trunk accounts
• Gigabit network port(s) with integrated PoE, USB, SD card; integrated NAT router with advanced QoS support (UCM6102 only) Hardware DSP based 128ms-tail-length carrier-grade line echo cancellation (LEC), hardware based caller ID/call progress tone and smart automated impendance matching for various countriesSupports up to 500 SIP endpoint registrations, up to 60 concurrent calls (up to 40 SRTP encrypted concurrent calls), and up to 32 conference attendees
• Flexible dial plan, call routing, site peering, call recording, central control panel for endpoints, integrated NTP server, and integrated LDAP contact directory
• Automated detection and provisioning of IP phones, video phones, ATAs, gateways, SIP cameras, and other endpoints for easy deployment
• Strongest-possible security protection using SRTP, TLS, and HTTPS with hardware encryption accelerator

The UCM6102 from Grandstream is powered by an advanced hardware platform and revolutionary software functionalities, offering a breakthrough turnkey solution for converged voice, video, data, fax, security surveillance, and mobility applications out of the box without any extra license fees or recurring costs.

Grandstream UCM6102 - Technical Specifications
Interfaces

• Analog Telephone FXS ports: 2 ports
• PSTN Line FXO Ports - 2 ports (UCM6102)
• Network Interfaces - Single or Dual (UCM6102) 10/100/1000Mbps RJ45 Ethernet port(s) with integrated PoE Plus (IEEE 802.3at-2009)
• NAT Router - Yes (UCM6102 only)
• Peripheral Ports - USB, SD
• LED Indicators - Power/Ready, Network, PSTN Line, USB, SD
• LCD Display - 128x32 graphic LCD with DOWN & OK button
• Reset Switch - Yes

Voice/Video Capabilities

• LEC with NLP Packetized Voice Protocol Unit, 128ms-tail-length carrier grade Line Echo Cancellation,Dynamic Jitter Buffer, Modem detection & auto-switch to G.711
• Voice and Fax Codecs - G.711 A-law/U-law, G.722, G.723.1 5.3K/6.3K, G.726, G.729A/B, iLBC, GSM; T.38
• Video Codecs - H.264, H.263, H263+
• QoS - Layer 3 QoS

Signalling & Control

• DTMF Methods: In Audio, RFC2833, and SIP INFO
• Provisioning Protocol & Plug-and-Play: TFTP/HTTP/HTTPS, auto-discovery & auto-provisioning of Grandstream IP endpoints via ZeroConfig (DHCP Option 66/multicast SIP SUBSCRIBE/mDNS)
• TCP/UDP/IP, RTP/RTCP, ICMP, ARP, DNS, DDNS, DHCP, NTP, TFTP, SSH, HTTP/HTTPS, PPPoE, SIP (RFC3261), STUN, SRTP, TLS, LADP
• Disconnect Methods: Call Progress Tone, Polarity Reversal, Hook Flash Timing, Loop Current Disconnect, Busy Tone

Security

• Media: SRTP, TLS, HTTPS, SSH

Physical

• Universal Power Supply: Output: 12VDC, 1.5A; Input 100 ~ 240VAC, 50 ~ 60Hz
• Environmental: Operating: 32~104°F/0~40°C, 10~90% (non-condensing); Storage: 14 ~ 140°F / -10~60°C
• Dimensions:

• UCM6102: 226mm（L）x 155mm（W）x 34.5mm（H)

• Mounting: Wall mount & Desktop (UCM6102)

Additional Features

• Multi-Language Support: English/Chinese/Spanish/French/German/Russian/Italian for Web UI; Customizable IVR to support any lanuage
• Caller ID: Bellcore/Telcordia, ETSI-FSK, ETSI-DTMF, SIN 227 – BT, NTT Japan
• Polarity Reversal/ Wink: Yes, with enable/disable option upon call establishment and termination
• Call Center: Multiple configurable call queues, automatic call distribution (ACD) based on agent skills/availability/ busy level, in-queue announcement
• Customizable Auto Attendant: Up to 5 layers of IVR (Interactive Voice Response)
• Concurrent Calls: Up to 30 (UCM6102)
• Conference Bridges: Up to 3 (UCM6102)
• Call Features: Call park, call forward, call transfer, DND, ring/hunt group, paging/intercom etc.
• Compliance: FCC: Part 15 (CFR 47) Class B, Part 68 CE: EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1, TBR21, RoHS A-TICK: AS/NZS CISPR 22 Class B, AS/NZS CISPR 24, AS/NZS 60950, AS/ACIF S002 ITU-T K.21 (Basic Level); UL 60950 (power adapter)

Price: £229.87