

Grandstream UCM6116 IP PBX

Product Name: Grandstream UCM6116 IP PBX

Manufacturer: Grandstream

Model Number: UCM6116

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The Grandstream UCM6116 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. Powered by an advanced hardware platform and revolutionary software functionalities, the UCM6116 offers 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 UCM6116 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 16 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 impedance matching for various countries
- Supports 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

Grandstream UCM6116 - Technical Specifications

Interfaces

- Analog Telephone FXS ports: 2 ports (both with lifeline capability in case of power outage)
- PSTN Line FXO ports: 16 ports (UCM6116)
- 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

- Voice-over-Packet 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)
- Network Protocols: 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

- 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:
 - UCM6116: 440mm x 185mm x 44mm; L x W x H
- Mounting: Rack mount & Desktop (UCM6116)

Additional Features

- Multi-Language Support: English/Chinese/Spanish/French/German/Russian/Italian for Web UI; Customizable IVR to support any language
- 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: 60 (UCM6116), or 66% performance if calls are SRTP encrypted
- Conference Bridges: Up to 6 (UCM6116) password-protected conference bridges allowing up to 32 (UCM6116) simultaneous PSTN or IP participants
- 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)

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Price: £831.17
