GRANDSTREAM
CONNECTING THE WORLD

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GRP2602LP & GRP2602LG

2-Line Essential Lite IP Phone

The 2-Line Essential Lite IP Phone models, GRP2602LP and GRP2602LG, are part of the GRP Carrier-Grade IP Phone series, which is designed with zero-touch provisioning for mass deployment and easy management. Featuring a sleek design, this series delivers a powerful suite of next-gen capabilities-including 5-way voice conferencing to boost productivity, full HD audio on both speaker and handset, and EHS compatibility for headsets from Plantronics, Jabra, Sennheiser, and more. The GRP2602LP/LG IP phones provide carrier-grade and enterprise-level security. Deployment is effortless through GDMS, providing a unified cloud interface for remote configuration and centralized management. Engineered for on-site or remote desktop workers, the series provides an easy-to-use, highly deployable voice endpoint optimized for enterprises, service providers, and high-volume markets.

Feature Highlights

Supports 4 SIP accounts and 2 lines, complete with seamless 5-way audio conferencing to make collaborative calls effortless.

Beyond local Web UI control, this series supports management via GDMS, a premier cloud-based management platform.

Includes built-in Electronic Hook Switch (EHS) compatibility for premium headsets from Plantronics, Jabra, Sennheiser, and more.

Includes a full-duplex speakerphone with HD audio to maximize audio quality and clarity.

Equipped with Noise Shield technology and AI noise reduction to dramatically minimize background noise.

Stay WireGuard-ready to ensure fast, ultra-secure remote connectivity and seamless communication across different locations.

Provides the Grandstream Click2Dial browser extension to unlock more usage scenarios.

Provides robust, carrier-grade protection with enterprise security features like secure boot and SRTP-encrypted calls.

Features a swappable faceplate to allow for easy logo customization.

Standard Deployment

In a complete network deployment, the GRP2602LP/LG IP phones serve as the core endpoints for business communication.

These phones connect directly to a local network switch, which manages voice traffic and builds the local network framework.

Through this switch, the GRP2602LP/LG terminals communicate internally with the UCM IP PBX server for centralized call control. To enable external connectivity, the switch links the entire voice subsystem to an edge router, which serves as the secure gateway to the internet.

This topology allows the GRP2602LP/LG phones to register seamlessly with both on-premise and cloud servers, unlocking reliable local and external calling capabilities.



Virtual Expansion Module

The series is fully compatible with the GS EXT app, serving as a highly efficient alternative to a physical expansion module and transforming your smartphone into a customizable control panel.

With a few simple taps, you can effortlessly configure speed dials, BLF (Busy Lamp Field), Call Pickup, and other programmable functions without purchasing any extra hardware.

This innovative digital solution makes our IP phone series perfect for remote workers and budget-conscious professionals who want to expand their call-handling capabilities cost-effectively.

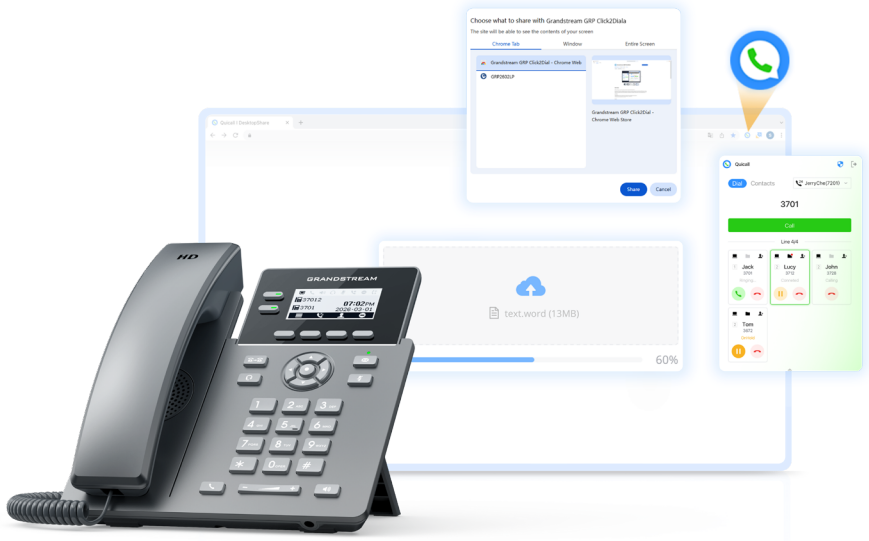


Click2Dial Browser Extension

The Grandstream GRP Click2Dial browser extension enables seamless integration between your computer and the IP phone series.

Without interrupting your active calls, this powerful utility allows you to share screens, transfer files, and add on-screen notes directly from your web browser.

By extending the capabilities of your desktop phone into your digital workspace, the extension bridges the gap between hardware and software to significantly optimize daily team collaboration.



Crystal-Clear and Stable Communication

This series combines traditional audio filtering with advanced AI noise cancellation to deliver distraction-free conversations. They can filter out ambient noises like the humming of an air conditioner but also identify and eliminate sudden environmental disturbances, such as mouse clicks and keystrokes.

To guarantee performance over unstable networks, the series features our self-developed GS-FEC technology. By successfully resisting up to a 70% audio packet loss rate, it maintains steady, reliable voice transmission so that every call remains clear and professional.

70%

Packet Loss Resistance with GS-FEC

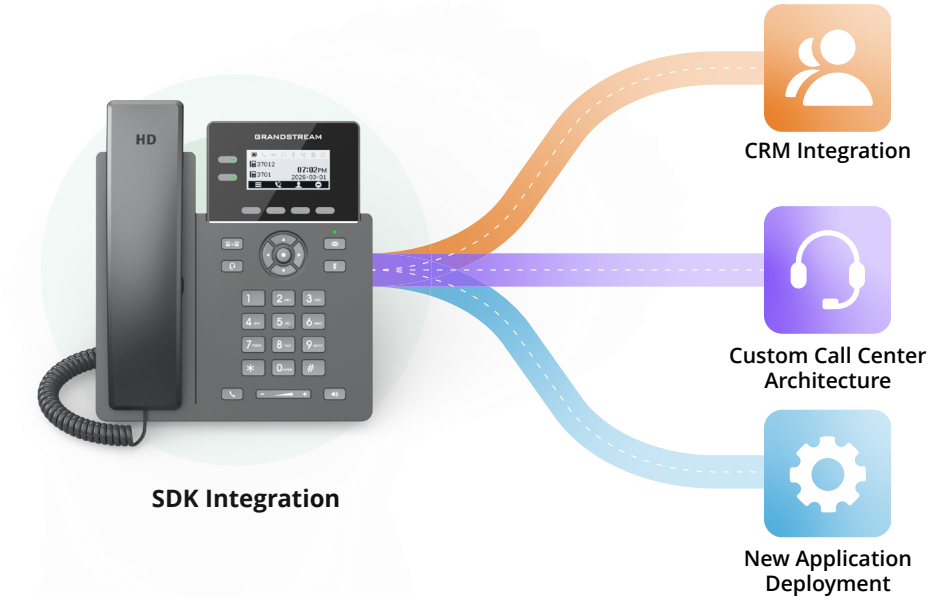


Robust SDK Integration

This series features a comprehensive SDK designed to unlock flexible customization capabilities.

Whether you are integrating a CRM, architecting custom call center solutions, or developing entirely new applications, our SDK delivers the necessary APIs, tools, and sample code to streamline your deployment.

With a completely open architecture and zero restrictions, it offers developers total flexibility—making it the ideal choice for system integrators, solution providers, and enterprises with specialized workflow requirements.



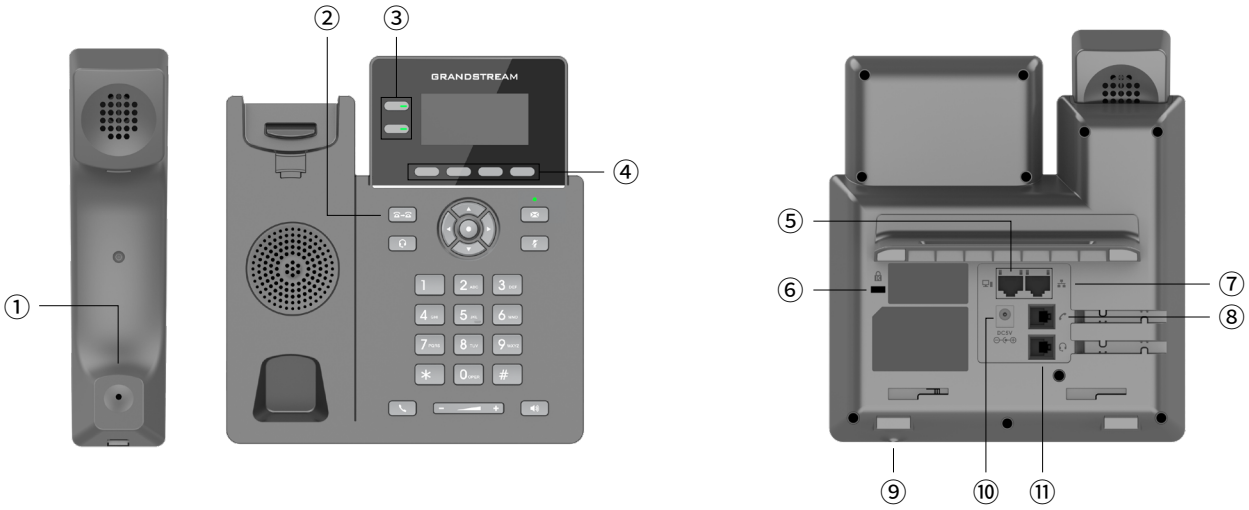
Advanced WireGuard Support

The GRP2602LP/LG IP phones integrate natively with WireGuard to deliver a streamlined, lightweight framework that is faster than OpenVPN and less complex than IPsec.

This powerful integration creates a dedicated, high-speed encrypted tunnel, ensuring every remote call is shielded by cutting-edge, modern cryptography.



Hardware Overview



GRP2602LP & GRP2602LG

① **Mic**	② **Transfer**	③ **Line Keys**	④ **Soft Keys**
⑤ **PC Port**	⑥ **Kensington Lock**	⑦ **LAN Port**	⑧ **Handset Port**
⑨ **Hands-Free**	⑩ **Power**	⑪ **Headset Port**	

Technical Specifications

		GRP2602LP	GRP2602LG
Basic	Unit Dimension	202 mm × 180 mm × 63.4 mm (7.95" × 7.09" × 2.50")(L × W × H)(with handset)	
	Package Dimension	242 mm × 206.5 mm × 59 mm (9.53" × 8.13" × 2.32")(L × W × H)	253 mm × 206.5 mm × 69 mm (9.96" × 8.13" × 2.72")(L × W × H)
	Unit Weight	670 g (1.48 lb)	
	Package Weight	830 g (1.83 lb)	880 g (1.94 lb)
	Installation Methods	Desktop, Wall Mount (Wall mount bracket sold separately)	
Physical Features	Graphic Display	2.41 inch (132 × 48) LCD with backlight	
	Feature Keys	• Line Keys: 2 line keys with dual-color LED and support for 4 SIP accounts • Softkeys: 4 XML programmable context sensitive keys • Navigation: 5 navigation / menu keys • 8 fixed keys: MESSAGE (with LED indicator), TRANSFER, HEADSET, MUTE, SEND/REDIAL, SPEAKERPHONE, VOL+, VOL-	
	Base Stand	Yes, 1 angle position available (45°)	
	HD Audio	Yes, HD handset and speakerphone with support for wideband audio	
Ports	Network Ports	1 × Dual switched auto-negotiation 10/100 Mbps Ethernet ports, integrated PoE 1 × Auto-negotiation 10/100 Mbps PC port	1 × Dual switched auto-negotiation 10/100/1000 Mbps Ethernet ports, integrated PoE 1 × Auto-negotiation 10/100/1000 Mbps PC port
	Auxiliary Ports	1 × RJ9 headset jack (EHS compatible: Plantronics, Jabra, Sennheiser and more) 1 × Handset jack	
Power and Energy	Universal Power Adapter	Input: 100–240 V AC, 50–60 Hz; Output: 5 V DC, 600 mA	
	PoE	IEEE802.3af Class 1, 3.84 W; IEEE802.3az (EEE)	
Environmental Endurance	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	
	Storage Temperature	-10 °C to 60 °C (14 °F to 140 °F)	
	Humidity	10%–90%, non-condensing	
Certification	Compliance	CE, FCC, IC, RCM	

Key Features

		GRP2602LP	GRP2602LG
Protocols and Standards	Network Protocols	IPv4, IPv6, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, SSH, TFTP, NTP, STUN, TURN, ICE, SIMPLE, LLDP-MED, LDAP, TR-069, SNMP, 802.1X	
	VoIP Protocols	SIP RFC3261 (over UDP/TCP/TLS), RTP/RTCP, RTCP-XR, RTCP-MUX, SDES-SRTP, DTLS-SRTP	
	QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS	
	Security	• TLS 1.3 support • Web Access through HTTPS, with user- and administrator-level passwords based on SHA-256 and SHA-256-sess authentication • SIP support for TLS, with mutual certificate validation (both sides) • SIP authentication algorithms based on SHA-256, SHA-256-sess, SHA-512/256-sess, MD5-sess • Media support for DTLS-SRTP and SDES-SRTP with crypto AEAD-AES-256-GCM, AES_256_CM_HMAC_SHA1_32, AES_256_CM_HMAC_SHA1_80, AES_CM_128_HMAC_SHA1_32, AES_CM_128_HMAC_SHA1_80 • 802.1X Media access control	
Provisioning and Interoperability	Deployment	Mass provisioning using GDMS/TR-069 or AES encrypted XML configuration file	
	Maintenance	Firmware upgrade via FTP, TFTP, TFTPS, HTTP and HTTPS	
	Interoperability	Fully interoperable with major UC platforms including BroadSoft, Metaswitch, Kandy, 3CX, Zoom, NetSapiens, RingCentral, Asterisk, Freeswitch, and openSIPS	
Audio Features	Voice Codecs	G.729A/B, G.711μ/a-law, G.726, G.722 (wide-band), G.723.1, iLBC, Opus (with in-band FEC)	
	Audio Capabilities	• In-band and out-of-band DTMF (in audio, RFC2833, SIP INFO) • VAD, AEC, CNG, PLC, AGC, AJB (Adaptive Jitter Buffer) • GS-FEC with up to 70% packet loss resistance	
Features	Directory	Downloadable phonebook (XML, LDAP, up to 500 items), call log (up to 200 records)	
	Call Management	Hold, transfer, forward, call park, call pickup, call waiting, auto answer, off-hook auto dial, click-to-dial	
	Collaboration	5-way conferencing, shared-call-appearance (SCA), bridged-line-appearance (BLA)	
	Customization	Personalized music ringtones and music on hold	
	System and Administration	Hot-desking, flexible dial plan, server redundancy, failover	
	Advanced Features	• Multicast paging and E911 service • Advanced jitter-resilience algorithm • Account sharing • WireGuard VPN support • IP2Location support • Daylight saving time auto-adjustment	
Localization	Multi-Language	Arabic, Catalan, Chinese (Simplified), Chinese (Traditional), Croatian, Czech, Dutch, English, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Latvian, Polish, Portuguese, Russian, Slovak, Slovenian, Spanish, Swedish, Turkish, Ukrainian	

Package Contents

		GRP2602LP	GRP2602LG
Standard Items	Primary Unit	1 × 2-Line Essential Lite IP Phone 1 × Handset with Cord 1 × Base Stand	
	Power and Cable	1 × Network Cable	1 × Universal Power Supply 1 × Network Cable
	Manual and License	1 × Quick Installation Guide 1 × Certification Regulatory Information	

Ordering Information

	Item	Description
GRP2602 Lite Series	GRP2602LP	2-Line Essential Lite IP Phone with PoE
	GRP2602LG	2-Line Essential Lite IP Phone with Gigabit Ethernet port
Accessories	GRP_WM_A	Wall Mount Bracket

www.grandstream.com
+1-617-566-9300
info@grandstream.com
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