GRP2601L & GRP2601LP & GRP2601LW

Essential LiteIPPhone

The 2-Line Essential Lite IP Phone models, GRP2601L, GRP2601LP, and GRP2601LW, 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, multi-language support, and EHS compatibility for headsets from Plantronics, Jabra, Sennheiser, and more. To perfectly fit your infrastructure, choose the GRP2601LP for integrated PoE or the GRP2601LW for single-band Wi-Fi support (2.4 GHz). The GRP2601L/LP/LW 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 2 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.

The GRP2601LP features a reliable 10/100 Mbps Ethernet port with integrated PoE to streamline deployment and eliminate power cables.

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.

The GRP2601LW features single-band Wi-Fi 6 support at 2.4 GHz, delivering enhanced signal reliability and modern wireless efficiency.

Standard Deployment

In a complete network deployment, the GRP2601L/LP/LW 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 GRP2601L/LP/LW 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 GRP2601L/LP/LW phones to register seamlessly with both on-premise and cloud servers, unlocking reliable local and external calling capabilities.

Virtual Expansion Module

The series is fullycompatible withthe

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.

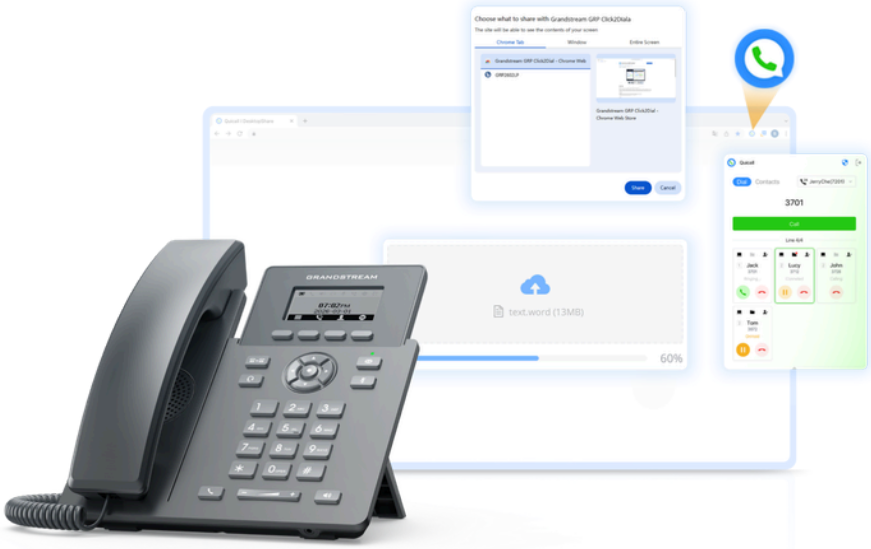
This innovative digital solution makes our IP phone series perfect for remote workers and budget-conscious professionals who want to expand their call-handling capabilities cost-effectively.

Click2Dial Browser Extension

TheGrandstreamGRP 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 traditionalaudio 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%

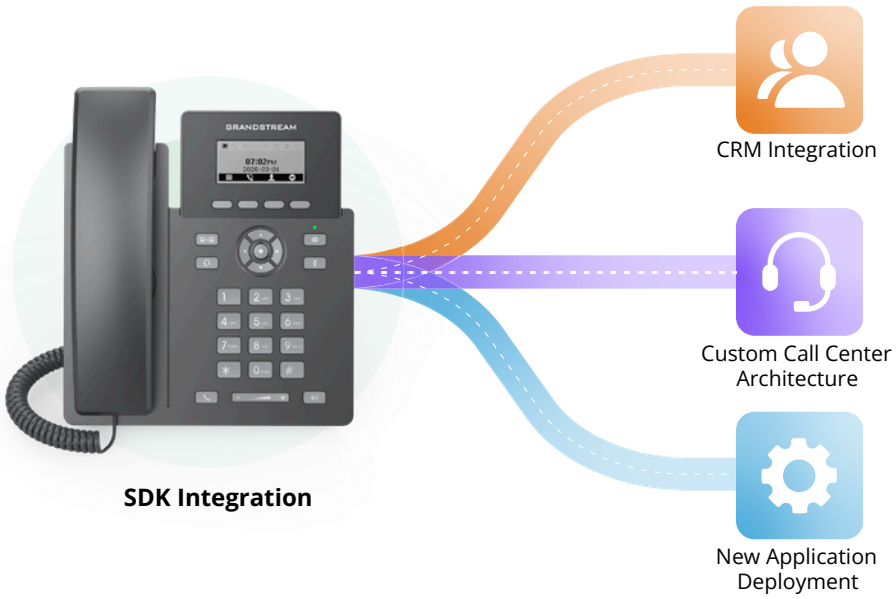
Packet Loss Resistance with GS-FEC

Robust SDK Integration

Thisseries features acomprehensiveSDK 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.

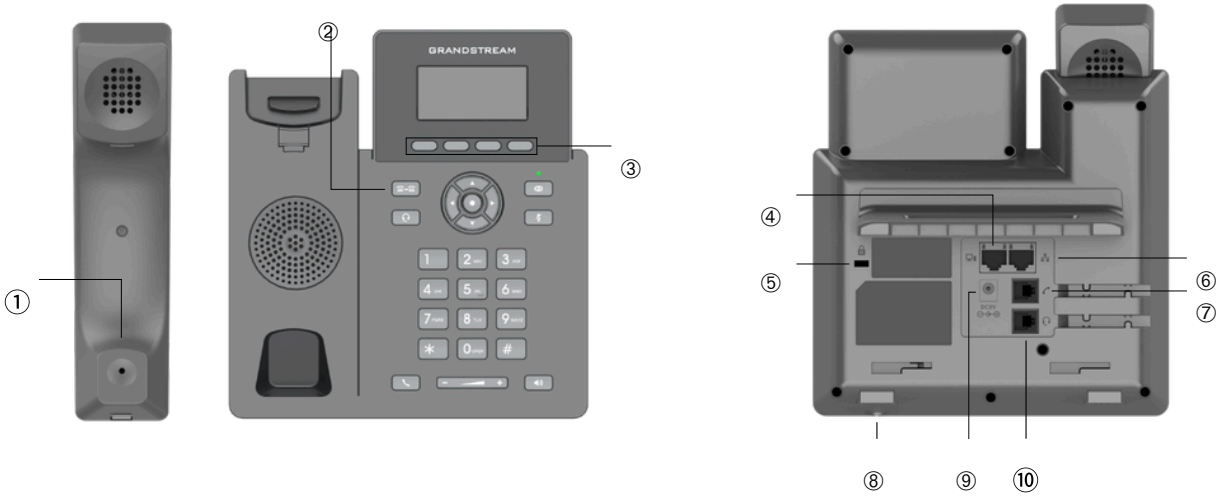


Advanced WireGuard Support

TheGRP2601L/LP/LW 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



GRP2601L & GRP2601LP & GRP2601LW

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

Technical Specifications

		GRP2601L	GRP2601LP	GRP2601LW
Basic	Unit Dimension	202 mm × 180 mm × 63.4 mm (7.95" × 7.09" × 2.50")(L × W × H)(With Handset)		
	Package Dimension	253 mm × 206.5 mm × 69 mm (9.96" × 8.13" × 2.72")(L × W × H)	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	650 g (1.43 lb)	650 g (1.43 lb)	651 g (1.44 lb)
	Package Weight	860 g (1.90 lb)	810 g (1.79 lb)	900 g (2.0 lb)
	Installation Methods	Desktop, Wall Mount (Wall mount bracket sold separately)		
Physical Features	Graphic Display	2.41 inch (132 × 48) LCD		
	Feature Keys	• 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°)		
Ports	Network Ports	1 × Auto-negotiation 10/100 Mbps Ethernet port 1 × Auto-negotiation10/100 Mbps PCport	1 × Auto-negotiation 10/100 MbpsEthernetportwith integrated PoE 1 × Auto-negotiation 10/100 Mbps PC port	1×Auto-negotiation 10/100 Mbps Ethernet port 1 × Auto-negotiation 10/100 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	N/A	IEEE 802.3af Class 1, 3.84 W; IEEE 802.3az (EEE)	N/A
Connectivity	Wi-Fi	N/A	N/A	Single-band 2.4 GHz (802.11b/g/n/ax)
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

		GRP2601L	GRP2601LP	GRP2601LW
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		
	Wi-Fi Encryption	N/A	N/A	WEP, WPA/WPA2 (Personal/ Enterprise), WPA3 (Personal/ Enterprise)
	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 5-way conferencing, shared-call-appearance (SCA), bridged-line-appearance (BLA)		
	Collaboration	Personalized music ringtones and music on hold		
	Customization	Hot-desking, flexible dial plan, server redundancy, failover		
	System and Administration	• Multicast paging and E911 service • Advanced jitter-resilience algorithm		
	Advanced Features	• 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

		GRP2601L	GRP2601LP	GRP2601LW
Protocols and Standards	Primary Unit	1 × Essential Lite IP Phone 1 × Handset with Cord 1 × Base Stand		
	Power and Cable	1 × Universal Power Supply 1 × Network 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
GRP2601 Lite Series	GRP2601L	Essential Lite IP Phone
	GRP2601LP	Essential Lite IP Phone with PoE
	GRP2601LW	Essential Lite IP Phone with Wi-Fi
Accessories	GRP_WM_A	Wall Mount Bracket

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