



Huawei eSpace U1911 Unified Gateway

Overview

Huawei eSpace U1911 unified gateway (U1911 for short) is a core voice gateway in the Huawei Unified Communications (UC) solution. It works with Huawei IP terminals and UC applications to provide professional IP telephony (IPT) and UC services.



Figure 1 The eSpace U1911

U1911 uses the SIP architecture, features high integration, and supports 100 users per subrack. U1911 also provides powerful networking capabilities. In the downstream direction, it supports both narrowband and broadband access, allowing for hybrid networking of analog phones and IP phones. In the upstream direction, it can connect to the public switched telephone network (PSTN) or to voice switches in private networks using digital, analog, and broadband SIP trunks.

U1911 can be quickly deployed and easily maintained with the assistance of deployment and maintenance tools, due to its simple design.

Product Highlights

High integration and impressive array of functions

- Extensive IPT services
- Built-in hi-fidelity audio conferencing, with multiple conferencing modes available
- One Number Link You (ONLY), allowing users to answer incoming calls from anywhere, at any time, in the way that users prefer
- Built-in voice mailbox, recording messages from unanswered callers so users never miss any important calls
- UC application extension

Effective cost control

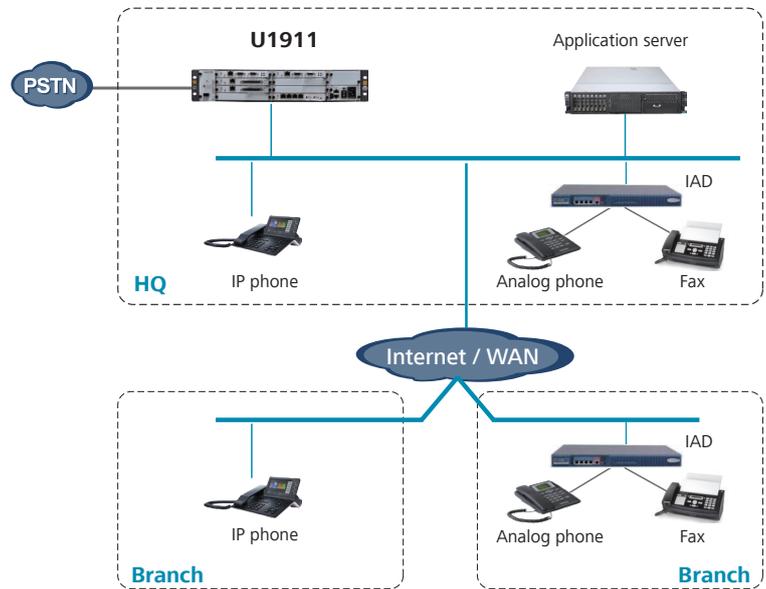
- Number analysis and whitelist/blacklist
- 32-level customized call rights
- Password-based call barring
- Intelligent routing, saving communications costs

Quick deployment and easy maintenance

- GUI-based deployment tools for easy and quick installation
- Unified network management system, helping improve management and maintenance efficiency
- Built-in web management system for convenient operations

Typical Applications

A U1911 is deployed in an enterprise to provide a rich array of voice services for enterprise users. In the upstream direction, the U1911 connects to the PSTN using narrowband and broadband trunks. In the downstream direction, it connects to multiple types of terminals, including SIP phones, integrated access devices (IADs), analog phones, and fax machines. When the enhanced communications suite (ECS) is deployed, diverse UC services, including presence, instant messaging (IM), and multimedia conferencing, are also available for the users.



Technical Specifications

Item	Specifications	
Maximum number of users	100 (a maximum of 100 SIP users or 64 FXS ports for analog users)	
Terminal type	Analog phones, IP phones, video phones and soft clients	
Port	24 FXO ports, 6 E1/T1 ports, or 8 BRI ports	
Trunk protocol	SS7, R2, PRI, QSIG, SIP, BRI	
Codec	G.711a/μ, G.729, G.729a, G.729b, G.729ab, iLBC, G.722, G.722.1, G.722.2	
Number of meeting participants	A maximum of 60 meeting participants which can be allocated to 20 meeting halls (each hall can support up to 60 participants by maximum)	
Built-in voice mail box	A maximum of 12 built-in voice mail channels concurrently Built-in 16G SD storage card	
Power supply	AC: 100 V to 240 V, 50 Hz/60 Hz DC: -38.4 V to -60 V (typical value: -48 V)	
Maximum power consumption	150 W (full configuration)	
Dimensions (H * W * D)	Standard 19-inch 1 U subrack 44 mm * 442 mm * 310 mm	
Weight	8 kg (full configuration)	
Environment	Temperature	Storage temperature: -40°C to +70°C Long-term operating temperature: 0°C to 45°C Short-term operating temperature: -5°C to +55°C
	Relative humidity	5% to 95% (without condensation)
	Dustproof	Less than 180 mg/m ³ dust in the air (Dustproof measures should be taken in the work environment)
Maintainability	Remote maintenance, automatic configuration, log collection, and Daylight Saving Time (DST)	
Manageability	Centralized/remote equipment management, signaling tracing, resource management, alarm management, and quick deployment	

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