Huawei eSpace U1911 Unified Gateway Datasheet

Product 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 eSpace U1911

The lightweight U1911 uses the highly-integrated broadband and narrowband design to allow for hybrid networking of analog phones and IP phones. 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 is equipped with modular boards to simplify installations and support hot swapping. It can be quickly deployed and easily maintained with the assistance of graphical configuration tools.

Product Highlights

High integration and impressive array of functions

- Extensive IPT services
- Built-in high-fidelity audio conferencing, with multiple conference access 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 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

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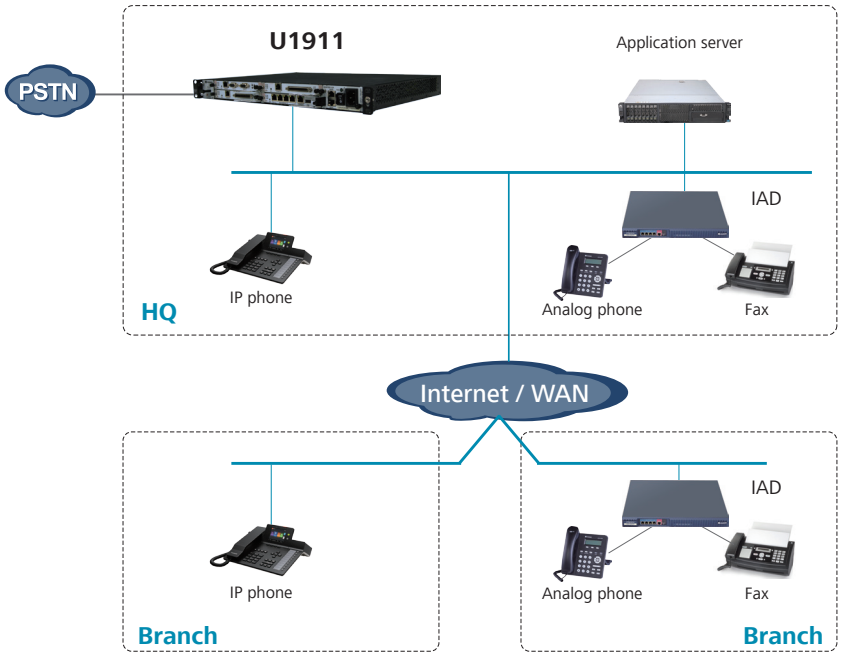
Typical Applications

U1911 is a small-capacity voice gateway and applies to small- and medium-sized voice communication scenarios where enterprises have no or small branches (IAD or IP phone can be deployed in small branches).

- IPT application scenarios: U1911 can be connected to the carrier network through the broadband/narrowband trunk and provide a variety of voice functions. In this case, SIP phones can be connected directly. Analog phones and fax machines can be connected directly or through integrated access devices (IADs).
- UC application scenarios: Enhanced communication suites can be deployed at the same time to enrich communication channels and improve communication efficiency with a wide range of UC services, including presence, instant messaging, and multimedia conferencing.



Technical Specifications

Item		Specifications
User capacity per U1911		100 (a maximum of 100 SIP users or 64 FXS ports for analog users)
Terminals supported		Analog phones, IP phones, video phones and soft clients
Port		A maximum of 24 FXO ports, 12E1/T1 ports, or 8 BRI ports
Trunk ports		SS7, R2, PRI, QSIG, SIP, BRI
Codecs		G.711a/ μ , G.729, G.729a, G.729b, G.729ab, iLBC, G.722, G.722.1, G.722.2
Conference capacity		A maximum of 60 conference participants which can be allocated to 20 conference halls (each hall can support up to 60 participants)
Built-in voice mail		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)
Power consumption		150 W (full configuration)
Dimensions (H x W x D)		Standard 19-inch 1 U subrack 44 mm x 442 mm x 310 mm
Weight		8 kg (full configuration)
Environment	Temperature	Storage temperature: –40℃ to +70℃ Long-term operating temperature: 0℃ to 45℃ Short-term operating temperature: –5℃ to +55℃
	Relative humidity	5% to 95% (without condensation)
	Dustproof	Less than 180 mg/m³ dust in the air (Dustproof measures should be taken in the work environment)
System reliability		≥99.995%
Maintainability		Centralized/remote equipment management, log management, resource management, and alarm management

Ordering Information

U1911 ordering information overview

Basic configuration
eSpace U1911 DC host (including 1 SCU, 1 MTU)
eSpace U1911 AC host (including 1 SCU, 1 MTU)
eSpace U1911 DC subrack
eSpace U1911 AC subrack
Interface boards
Analog user interface board (32 FXS interfaces, including 10-m user cables)
Analog user and analog trunk interface board (12 FXO & 12 FXS interfaces, including 10-m user cables)
Media trunking unit
SD card-MLC-interface rate 6MB/S or above-32mm*24mm-16GB-Class6 to Class10
eSpace U1911 auxiliaries
eSpace U1911 switching and main control boards
DC power module (350W, -48V)
Primary power supply--25degC-60degC-90V-290V-12V/25A
User power cable-high-density user subrack-32-channel user board-10m-0.4mm-64 cores-(D68M-V)-(CC32P0.4P430U-I)
User power cable-high-density user subrack-32-channel user board-20m-0.4mm-64 cores-(D68M-V)-(CC32P0.4P430U-I)
User power cable-high-density user subrack-32-channel user board-40m-0.4mm-64 cores-(D68M-V)-(CC32P0.4P430U-I)
User power cable-high-density user subrack-32-channel user board-50m-0.4mm-64 cores-(D68M-V)-(CC32P0.4P430U-I)
Trunk cable-20m-75ohm-1E1-2.2mm-(D9M)-(SYFVZP75-1.2/0.25*4(S))-(2*BNC75SM-V)
Trunk cable-20m-100ohm-1*T1-0.52mm-(D9M)-(CC4P0.5GY(S))-MP8-II
Coaxial Connector-BNC-75ohm-Straight/Socket-Dual,Female-Connected With E1 Cable BNC Male Plug
Coaxial Connector-SMB-75ohm-Straight/Connector-Female-Matching SYFVZ-75-1-1-Gild Electroplating
Coaxial Connector-SMB-75ohm-Straight/Connector-Male-Matching SYFVZ-75-1-1-Gild Electroplating,For OEM
Single Cable-120ohm-75ohm Converter Box (With BNC Socket 14040083)-2*BNC75SF-26UL2464(4C)B+PCB03022938)
2U Static Rail Kit

For more information, visit http://e.huawei.com or contact Huawei's local sale office

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