Huawei Integrated Access Device – eSpace IAD

HUAWEI ENTERPRISE ICT SOLUTIONS A BETTER WAY

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Overview ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Huawei eSpace Integrated Access Device (IAD) is used in Huawei IP telephony and Unified Communications (UC) solution to connect traditional analog users to IP telephony networks.

By reusing legacy analog endpoints, eSpace IAD helps reduce initial investments in building IP telephony networks. eSpace IAD also reduces analog lines' routing and maintenance costs and enterprises' Total Cost of Ownership (TCO) by fully leveraging the transmission resources of IP networks.

The full series of eSpace IAD products support 2 to 224 analog user channels to fit the access scenarios of different user capacities.

Features and Benefits |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

A complete product portfolio, meeting diverse requirements

- Provides 2–224 analog user channels or 8–84 analog trunk channels, meeting requirements for different network capacities
- Two installation modes: desktop and rack for different deployment requirements

Adapts to a broad range of solutions

- Integrates with Huawei IP telephony, UC, IP Multimedia Subsystem (IMS), and Next-Generation Network (NGN) solutions for the access of analog users

NOTE: The above-mentioned approaches vary depending on the IAD model.

High reliability

- Multiple approaches to ensure high access reliability, including dual-homing, multi-registration, local switch, power-off survival, and network outage survival

High-quality voice

- Comprehensive Quality of Service (QoS) mechanisms and multiple voice codecs ensure high-quality voice services

Diverse management modes

- Intuitive Web-based management interface
- Unified network management system for batch deployment and upgrades

Typical Applications ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

eSpace IAD can be used in Huawei IP telephony and UC solutions to connect to analog users in various scenarios, such as Small Office Home Office (SOHO) and branches of small- and medium-sized enterprises.

eSpace IAD can also be used in Huawei IMS and NGN solutions to connect to remote analog users.
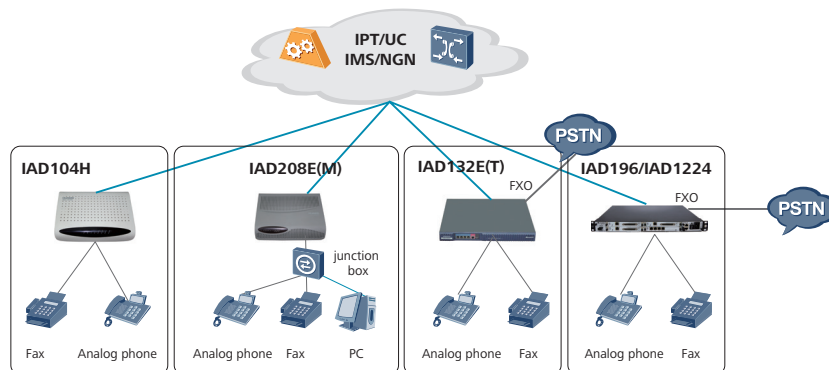
eSpace IAD applications

Technical Specifications ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Interface / Features		eSpace IAD104H	eSapce IAD208E(M)	eSapce IAD196	eSpace IAD1224
Appearance					
User Interface	FXS	4	8[1]	32-96	32-224
	FXO	N/A		12-36	12-84
Physical Port	WAN	1	1	1	1
	LAN	1	8[1]	2[2]	2[2]
	Console	1	1	1	1
Supported Protocol	SIP	√	√	√	√
	MGCP	√	√	√	√
Reliability	Power-off survivability	×	×	√	√
	Network-failure survivability	×	×	√	√
	Local switch	×	√	√	√
	Dual homing	√	√	√	√
	Multiple registration	×	√	√	√
Physical Specifications	Dimensions (H x W x D) mm3	36 x 234 x 170	42 x 234 x 170	1U subrack of standard 19-inch chassis, 44 x 442 x 310	2U subrack of standard 19-inch chassis, 86.1 x 442 x 310
	Weight	480g	500g	8kg	10kg
	Power supply	Input: 100V-240V AC; Output: 12V DC	Input: 100V-240V AC; Output: 12V DC	Input: 100/240V AC; or-48V DC	Input: 100/240V AC; or -48 V DC
	Power consumption	7.4W	20W	150W	200W

NOTE:

①. eSpace IAD208E(M) provides eight FXS/LAN integrated ports, which can be further separated into eight FXS ports and eight LAN ports using a cable distribution box.

②. eSpcae IAD196 and IAD1224 provides two LAN ports, one for debugging and the other for IAD cascading.

Item		eSpace IAD132E(T)				
		16S	32S	16O+16S	8O+8S	8O+24S
Appearance						
User port	FXS	16	32	16	8	24
	FXO	N/A	N/A	16	8	8
Physical port	WAN	1				
	LAN	3 (used for IAD cascading)				
	Console	1				
Protocol	SIP	√	√	√	√	√
	MGCP	√	√	√	√	√
Voice codec		G.711a/µ and G.729				
Reliability	Power-off survival	×	×	√	√	√
	Network outage survival	×	×	√	√	√
	Local switch	√	√	√	√	√
	Dual-homing	√	√	√	√	√
	Multiregistration	√	√	√	√	√
Physical specifications	Dimensions (H x W x D)	42 mm x 436 mm x 365 mm (a standard 19-inch 1 U chassis)				
	Power supply	Input: 100–240 V AC				
	Maximum power consumption (W)	66	86	76	61	81

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