

SS7 Signaling Service Features for Media Gateway



AddPac






AddPac Technology

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Digital VoIP Gateways (1~16 E1/T1)

Product	AP1800	AP1850	AP-MG3000	AP-MG3800	AP-MG5000
					
Available Modules	AP-N1-FXS8 AP-N1-FXO8 AP-N1-FXS4O4 AP-N1-E1	AP-N1-E1 AP-N1-2E1	APv2-1E1 APv2-2E1 APv2-4E1	HIM-VoIP4E1 (4 E1/T1 Module)	HIM-4E1 (4 E1/T1 Module)
VoIP Signaling	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323
Digital E1/T1	Up to 2E1	Up to 4E1	Up to 4E1	Up to 8 E1	Up to 16E1
Digital Signaling	ISDN PRI, R2, SS7	ISDN PRI, R2, SS7	ISDN PRI, R2, SS7*	ISDN PRI, R2, SS7*	ISDN PRI, R2, SS7*
Module Slot	Two(2)	Two(2)	Two(2)	Two(2)	Four(4)
LAN Port	2	2	2	2	2
Console	1	1	1	1	1
Power	Single PSU	Single PSU	Single PSU	Single PSU	Dual PSU





VoIP Modules



Target :
AP1800, AP1850

VoIP Modules

DSP




Target	VoIP Modules	Module Features	Module Picture
AP1800 AP1850	AP-N1-E1	1-Port Digital E1/T1 Module	
AP1800 AP1850	AP-N1-2E1	2-Port Digital E1/T1 Module	



Target :
AP-MG3000

VoIP Modules

DSP


Target	VoIP Modules	Module Features	Module Picture
AP-MG3000	APv2-1E1	1-Port Digital E1/T1 Module	 A black VoIP module with a single RJ45 port on the front panel. The top of the module is labeled 'APv2-1E1'.
AP-MG3000	APv2-2E1	2-Port Digital E1/T1 Module	 A black VoIP module with two RJ45 ports on the front panel. The top of the module is labeled 'APv2-2E1'.
AP-MG3000	APv2-4E1	4-Port Digital E1/T1 Module	 A black VoIP module with four RJ45 ports on the front panel. The top of the module is labeled 'APv2-4E1'.



Target :
AP-MG3800, AP-MG5000

VoIP Modules

DSP

Target	VoIP Modules	Module Features	Module Picture
AP-MG3800, AP-MG5000	HIM-VOIP4E1	4-Port Digital E1/T1 Module	



SS7 Signaling Service Features

SS7 Gateway Feature

- Support Multiple E1 / T1 Interface
- Support Incoming and Outgoing Calls
- MTP2 (Q.703) / MTP3 (Q.704) / ISUP (Q.76x)
- SS7 A/F Link Support
- Support multiple linksets with different Point Code
- Support links with multiple links for load balance and failover
- Variant : ANSI, ITU-T, Japan(*), China(*)

ISUP (ISDN User Part) (1/2)

- Basic call messages (IAM, ACM, ANM, REL, RLC)
- CIC Reset (GRS, GRA, RSC)
- Connect message (CON)
- CIC Blocking/Unblocking (CGB, CGBA, CGU, CGUA, BLO, BLA)
- Continuity Check (COT, CCR)
- Call Progress message (CPG)
- Inbound and outbound calling works.

ISUP (ISDN User Part) (2/2)

- ITU style SS7 support
- ANSI-style signalling support
- Called and Calling Nature of Address Indicator
- CallerID presentation and screening
- UCIC and LPA messages
- ANI2 - Originating line interface parameter (ANSI)
- Charge number parameter (ANSI)



Thank you!

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