

Mediant™ 800

Versatile UC and SD-WAN Platform

AudioCodes Mediant 800 Universal Customer Premises Equipment (uCPE) is an ideal platform for Unified Communications as a Service (UCaaS) providers and Enterprises looking to reap the benefits of Network Function Virtualization (NFV) and who need a uCPE providing a reliable and resilient software-defined wide area network (SD-WAN) solution.



The platform integrates an Intel server module that can run multiple AudioCodes or third-party Virtual Network Functions (VNF) in conjunction with the embedded Physical Network Functions (pNF) required for hosted business communications.

The embedded pNF includes branch router, session border controller (SBC) and media gateway functionality, ensuring SIP interoperability, connectivity, security and resiliency.

Single Platform for Multiple VNFs | Integrated VoIP Functionality | WAN Resiliency



Cloud Connectivity

Ideal solution for reliable and resilient UC service using SD-WAN



High performance

Assured high performance with dedicated uCPE processor



WAN Resiliency

5 optional WAN interfaces including VDSL 35b, 4G+/LTE Advanced, Fiber and T1



VoIP functionality

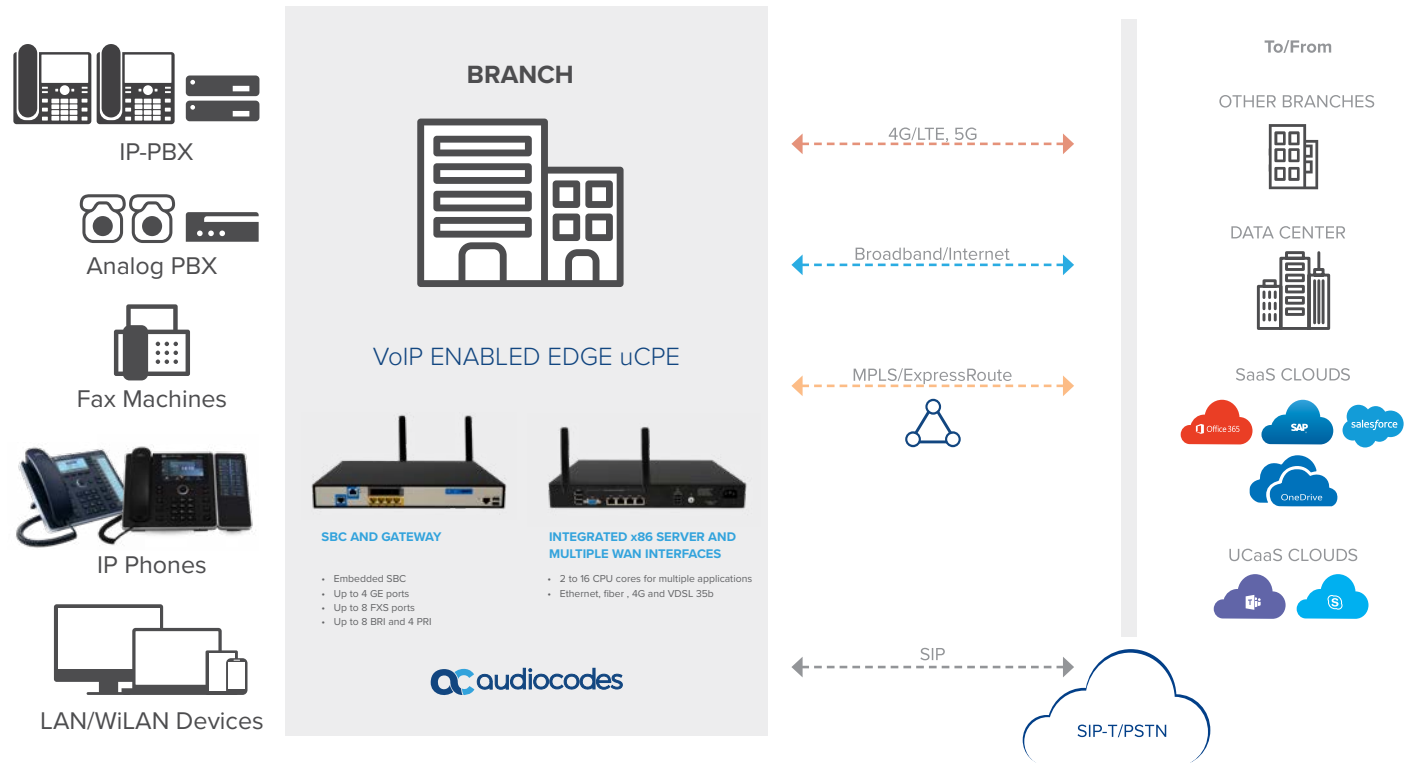
Embedded gateway, SBC and router offload processing from x86 module



Superior voice quality

Unique VoIPerfect™ technology ensures high voice quality over unmanaged broadband links

Solution Architecture



Specifications

Built-In Intel Server (for running NFVs)			
CPU	Intel Denverton series with multiple core options (2-16)		
Preinstalled Host OS	CentOS 7.0, Fedora 22, Ubuntu 15.04, Microsoft Windows OS		
NFV MANO Compatibility	Tested with OpenStack, NFVTime and Heat templates		
SD-WAN MANO compatibility	Tested with industry leaders such as VeloCloud, Versa, Fortinet and more		
Telephony Interfaces			
Analog	4/8 FXS Ports, (optional: FXO ports)		
Digital	Up to four E1/T1 interfaces with PSTN fallback, 8 BRI interfaces		
Digital PSTN Protocols	Supporting various ISDN PRI protocols such as EuroISDN, North American NI-2, Lucent™ 4/5ESS, Nortel™ DMS-100 and others. It also supports different variants of CAS protocols, including MFC R2, E&M immediate start, E&M delay dial/start and others.		
Network Interfaces			
LAN	4 GE 10/100/1000 Base-T copper Ethernet interface (standard)		
WAN	2 dual-mode (100Base-X and 1000Base-X) SFPs (standard) ADSL2+, SHDSL, VDSL2 Vectoring, VDSL Vectoring Plus (35b) T1-WAN 4G+/LTE Advanced		
Embedded VoIP Functionality			
Session Capacity	200		
Registered Users	600		
Transcoding	110		
Physical/Environmental			
Dimensions	1U x 320mm x 345mm (HxWxD)	Weight	Approx. 5.95lb (2.7kg) loaded with OSN
Mounting	Desktop or 19" rack mount	Operating Temperature	5°-40° C
Power	Internal AC power supply rated: 100-240 VAC ~50- 60Hz 1.5A maximum (Optional) Additional 12V 10A DC power, via an AudioCodes external AC/DC power adaptor		



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