

Mediant™ 800

Mediant 800 uCPE Platform with Integrated VoIP

AudioCodes Mediant 800 Universal Customer Premises Equipment (uCPE) is an ideal platform for Unified Communications as a Service (UCaaS) providers looking to reap the benefits of Network Function Virtualization or who need a uCPE providing SD-WAN, firewall and other SDN services together with Voice over IP functionality.



The platform integrates an Intel server module that can run multiple AudioCodes or third-party Virtual Network Functions 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



Broad compatibility

Compatible with OpenStack and third-party NFV orchestrators and VNFs



High performance

Assured high performance with dedicated uCPE processor



Fast deployment

Accelerated service delivery through remote Virtual Network Function (VNF) deployment



Wide functionality

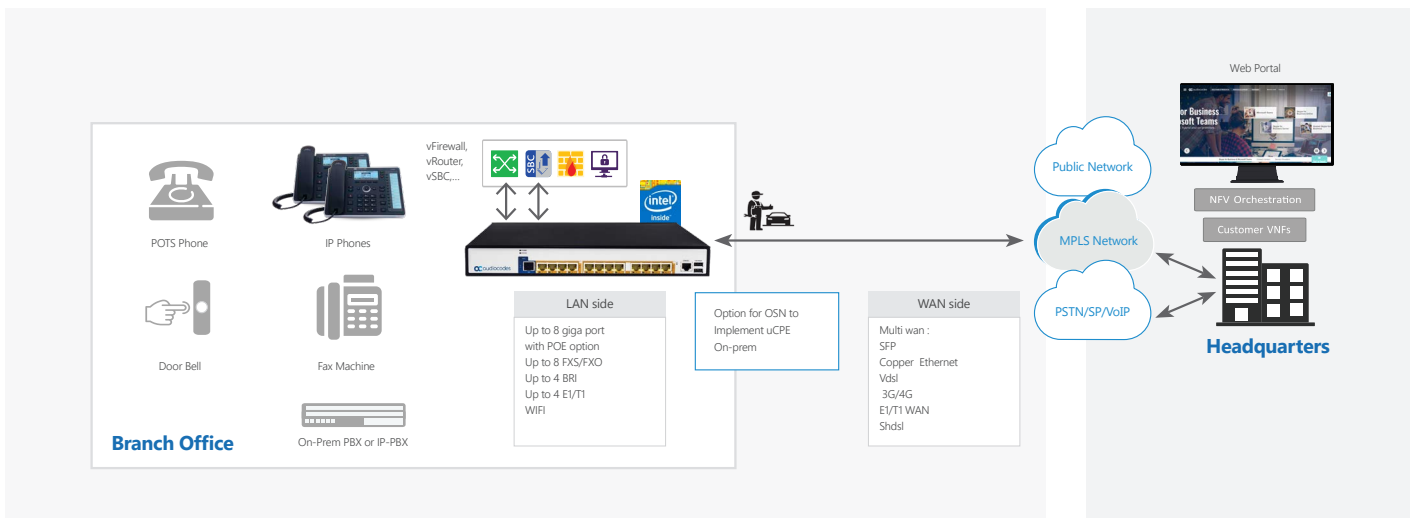
Embedded gateway, SBC and router offload processing from uCPE module



Superior voice quality

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

uCPE Use Cases



Specifications

Built-In Intel Server (for running NFVs)			
CPU Options	Versatile CPU offering: <ul style="list-style-type: none"> • C3558 (Intel Denverton) • E3950 (Apollo-Lake) 		
Preinstalled Host OS	CentOS 7.0, Fedora 22, Ubuntu 15.04, Microsoft Windows OS		
NFV MANO Compatibility	Tested with OpenStack and Heat templates		
Telephony Interfaces			
Analog	4/8/12 FXS ports; 4/8/12 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 or 4 GE + 8 FE interfaces with PoE option 10/100/1000 Base-T copper Ethernet interface (standard) 2 dual-mode (100Base-X and 1000Base-X) SFPs (standard)		
WAN	ADSL2+, SHDSL, VDSL2 vectoring T1 3G/4G (LTE)		
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		