# AudioCodes Universal Customer Premises Equipment (uCPE) Platform

## Mediant<sup>™</sup> 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



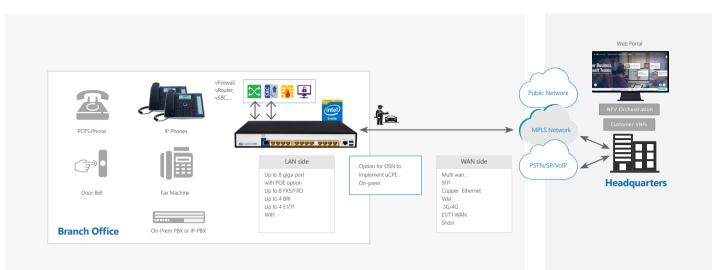
Wide functionality Embedded gateway, SBC and router offload processing from uCPE module



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



uCPE Use Cases



### Specifications

| specifications                    |   |                       |  |
|-----------------------------------|---|-----------------------|--|
| Built-In Intel Server (for runnin | ig NFVs)  |                       |  |
| CPU Options                       | Versatile CPU offering:<br>• C3558 (Intel Denverton)<br>• 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 variant 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  |                       |  |
| WAN                               | 10/100/1000 Base-T copper Ethernet interface (standard)<br>2 dual-mode (100Base-X and 1000Base-X) SFPs (standard)<br>ADSL2+, SHDSL, VDSL2 vectoring<br>T1   |                       |  |
| Embedded VoIP Functionality       | 3G/4G (LTE)   |                       |  |
| 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<br>(Optional) Additional 12V 10A DC power, via an AudioCodes external AC/DC power adaptor  |                       |  |



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