



Product Brief

AT&T Universal Customer Premises Equipment (uCPE)

One Industry Standard Network Hardware Platform Means Fast and Flexible Infrastructure Deployments

Network infrastructure equipment has long consisted of specialized appliances from different suppliers. One vendor might build your router, for example, while others might build your firewall, WAN accelerator, and wireless LAN controller.

But what if you could use one general-purpose piece of hardware to support all of these different functions across your geographies? Putting two or more network functions on a standard piece of hardware reduces the capital equipment you need to buy. It eliminates the many proprietary (and expensive) appliances that require you to install, configure, test, and maintain them using different skillsets. It can also reduce overall power and HVAC requirements.

Instead, one device can perform any AT&T certified network infrastructure function; you just need to tell it what to do.

That's the purpose of AT&T Universal CPE (uCPE), the hardware foundation of the AT&T Network Functions on Demand service. You can use a single AT&T branded x86 server to mix and match software-based virtual network functions (VNFs) depending on what functions are needed at each location.

The uCPE platform is fluid and flexible: if you later need it to support a different or additional function, it's just a matter of adding or replacing VNFs. The hardware doesn't change.

This architecture is needed for organizations to support new business initiatives at the lightning speeds required by today's agile business. You no longer have the luxury of taking months to complete IT and network deployments. You might have days or hours. That means plugging in a general-purpose device, downloading ordered VNF(s), and clicking to configure.

Potential Benefits

- Simplifies hardware installation: can be mixed and matched interchangeably across sites
- Eliminates the need for proprietary network appliances and associated skillsets
- Gives you choice of VNFs from a list of AT&T certified vendors – you just get a virtual appliance instead of a physical one
- You can deploy, reconfigure, and change network functions at your sites quickly and often without hardware changes

AT&T uCPE 410 and 412 Appliance Specifications

| | uCPE 410 | uCPE 412 |
|------------------------|------------------------------|------------------------------|
| CPU | 6-Core Intel Broadwell Xeon | 6-Core Intel Broadwell Xeon |
| Network CPU | Broadcom | Broadcom |
| Hypervisor | Linux KVM | Linux KVM |
| Operating System | Linux | Linux |
| RAM | 16 GB | 32 GB |
| Storage | 256 GB SSD | 512 GB SSD |
| Throughput | 1 GB | 1 GB |
| No. of VNFs Supported | Up to 4 | Up to 4 |
| SDN Orchestration | Master service orchestration | Master service orchestration |
| Out-of-band management | LTE or POTS | LTE or POTS |

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