

## HP ProCurve and Aastra

Aastra MX-ONE



### Communication without limits

#### The challenge

To stay ahead of the competition, you need communication systems that grow with your business and give you assurance that your networking investment will generate maximum business value and interoperability with best-in-class IP telephony and unified communications (UC) applications. The complexities and challenges associated with secure, standards-based IP telephony and UC networking systems are becoming increasingly more difficult to manage and control. A major challenge is driving business value while keeping the costs and complexities low, especially when migrating from a legacy telephony private branch exchange (PBX), user desktop or carrier access to IP. Increasing user productivity by migrating from isolated applications to integrated services requires the seamless convergence of voice, fax and e-mail in a single inbox.

At the same time, transformation of physical communication systems into a virtual system requires seamless interoperability between disparate systems and the integration of local area network/wide area network (LAN/WAN), wireless IP, public IP, cellular, public switched telephone network (PSTN) and legacy PBX components. Fixed-mobile communications for business-critical applications require a single number with the ability to ring multiple devices including office, cellular, residential, IP and external devices. Users require calls to seamlessly transfer between devices or media—for instance, from Wi-Fi to cellular on a dual-mode smartphone—while maintaining a consistent user experience.



## How HP ProCurve and Aastra help you meet challenges

As the demands on communication networks grow, enterprises are seeking UC applications that enable the convergence of video, messaging and voice. Improvements in IP telephony productivity and the need to replace aging infrastructure with the next-generation of telephony solutions has enabled widespread adoption as enterprises look to manage costs and improve competitiveness.

The Aastra MX-ONE telephony server, integrated on the HP ProCurve Open Network Ecosystem (ONE) Services zl Module (or on an industry-standard server such as HP ProLiant), provides a distributed "single system" architecture to reduce complexity while improving security and resiliency. Depending on the customer need, this can be one centralized solution or distributed over hundreds of sites, nationally or internationally. This joint solution helps companies reduce their costs, while improving employee productivity and customer service. Effective communications are achieved by advanced collaborative solutions that align applications with business processes to provide UC solutions tailored to fit the customer need.

Aastra MX-ONE, with the Aastra Mobile Client (AMC), combines a user's mobile device with a corporate communications infrastructure to provide telephony services similar to a standard office phone. This helps a businesses' mobile staff become more reachable and reactive. In addition, AMC's Dynamic Mobile LCR option enables customers to see substantial cost reductions on mobile roaming charges through the ability to smart route mobile traffic based on location.

The joint Aastra MX-ONE and HP ProCurve ONE solution scales from medium-size businesses to large enterprises and can be distributed across a large number of sites. In addition, HP ProCurve and Aastra offer several other advantages:

**Reduced complexity** – The joint Aastra MX-ONE and HP ProCurve ONE communications solution provides a variety of standards-based interfaces for simple integration into existing IT systems and applications.

**Better manageability** – The solution's single point of entry approach enables management of all MX-ONE elements in the network from a single graphic user interface (GUI), centrally or remotely.

**Better adaptability** – The joint HP ProCurve ONE and Aastra MX-ONE solution is scalable, allowing easier continuity programs, future business reconfiguration and integration of communication solutions.

**Open standards** – Both the Aastra MX-ONE application and the HP ProCurve ONE network are based on open standards to provide interoperability between different systems and enable communication solution growth based on specific business needs.

**Secure communications** – The Aastra MX-ONE application running on an HP ProCurve ONE network offers multiple security levels to help protect your communications infrastructure by using embedded anti-virus and virus throttling solutions, optional encryption of voice packets for confidentiality, and multi-user IEEE 802.1X-based network access control for IP phone handsets and endpoint devices.

The joint HP ProCurve ONE and Aastra solution, which integrates LAN, wireless equipment and UC into a common platform, eliminates the need for specialized and dedicated IP PBX or call-control hardware. HP ProCurve and Aastra provide reliability and quality by delivering secure, open and adaptable networking solutions with an assurance that we are working with networking leaders to provide business-critical communication applications.

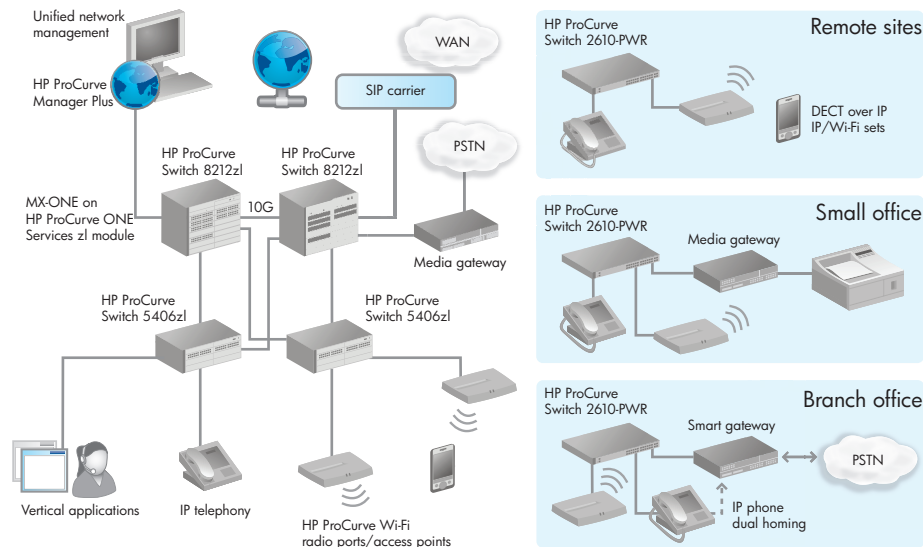
## Solution features

### Open IP telephony solution

Aastra MX-ONE offers open, standards-based telephony solutions with a full range of supported devices and connections using session initiation protocol (SIP) standards. A variety of validated endpoints and SIP service providers can be easily connected to an Aastra MX-ONE solution, when combined with HP ProCurve's secure, reliable and scalable LAN and WAN solutions.

**Flexible and scalable** – The solution targets any single or multi-site, medium or large enterprise from 300 to tens of thousands of users spread over hundreds of countries.

**User mobility** – Aastra MX-ONE, combined with AMC, brings true fixed mobile convergence (FMC) through the integration of its mobile workforce into corporate communication infrastructures. Through a context-based GUI, users have access to a complete range of system features on their mobile phone so they can take their office on the road. MX-ONE offers a variety of on- or off-premise mobility solutions based on GSM/3G, WLAN or IP digitally enhanced cordless telecommunications (DECT). Using SIP, Aastra MX-ONE and AMC support dual-mode cellular/Wi-Fi mobile phones or smartphones, you have the flexibility to deploy best-in-class networking applications for your business.



## Solution architecture

The Aastra MX-ONE application integrated on the HP ProCurve ONE Services zl Module and hosted in the HP ProCurve 8212zl switch enables a redundant and scalable IP network based on HP ProCurve equipment. Alternately, in this joint scenario, the application may be deployed on an industry-standard server, such as the HP ProLiant server series in conjunction with HP ProCurve's network.

### User mobility

Aastra MX-ONE provides enterprises with a large variety of mobility solutions to choose from, including SIP mobility based on Wi-Fi or DECT over IP solutions. Additionally, the MX-ONE combined with the AMC suite enables support for Wi-Fi/cellular dual-mode smartphones with seamless handover when the user roams from one network to the other.

## Solution benefits

The Aastra MX-ONE and HP ProCurve ONE solution offers the following benefits:

- A single, integrated, enterprise-wide communications system based on a secured LAN and WAN network
- Increased individual and organizational efficiency and productivity
- Virtualized enterprise communications via mobile and external device integration
- Web services to improve communication and collaboration services within an organization
- Opportunities to reduce communications costs

## Aastra components

- The Aastra MX-ONE Telephony Server is available on the HP ProCurve ONE Services zl Module or an industry-standard server, e.g. HP ProLiant series.
- Management application – Manager Provisioning
- UC applications – AMC mobile client suite, MX-ONE messaging for unified messaging, CMG attendant and user collaboration suite, Solidus eCare Multi-media Contact Center suite
- Standard and redundant media gateways – EMG, Compact SM/SMH and Classic chassis
- Range of six SIP sets (Aastra 67xxi) and proprietary IP sets (Dialog 44xx and Aastra 74xxip series)
- On-premises mobility products
  - IP DECT – DECT access points BS4xx series and DECT handsets – Aastra DT3xx and DT6xx office series and DT4xx industrial handsets
  - VoWLAN – SIP WLAN handset Aastra Wifi412

## HP ProCurve network components

### HP ProCurve hardware and software

- HP ProCurve ONE Services zl Module
- HP ProCurve Switch 5400zl or 8212zl Series

### HP ProCurve support and service

- HP ProCurve hardware support for switch and module
- Industry-leading warranty



## Why HP ProCurve and Aastra?

To improve employee productivity while reducing costs, enterprises are migrating to the next generation of IP telephony solutions. Ensuring that your networking investment continues to reap rich dividends requires solutions that are secure, reliable, based on open-standards and adaptable to your changing business needs.

As a leader in driving and implementing open standards-based solutions for more than 20 years, HP ProCurve Networking offers you choice and flexibility while delivering secure and reliable solutions using advanced technology. HP ProCurve's Adaptive Network vision is intended to deliver secure solutions while protecting legacy investments, reducing complexity and increasing productivity. HP ProCurve and Aastra deliver IP telephony solutions for best-in-class performance that is financially competitive. You can rest assured that the HP ProCurve ONE and Aastra MX-ONE solution will enable you to implement an open, standards-based network that can adapt to the changing needs of your users, applications and businesses. Together, Aastra and HP ProCurve deliver pre-qualified, open architecture solutions that have been thoroughly tested and certified for interoperability.

## What is HP ProCurve ONE?

Businesses are constantly seeking ways to improve competitiveness and manage costs. You need to enable new applications to support the business, while addressing cost and network complexity. Today, you're forced to choose between integrating multiple appliances through open standards or being limited to a sub-optimal, end-to-end solution from a single vendor. HP ProCurve's ONE allows you to choose from a selection of market-leading applications and to integrate them with your network, while having the confidence that the solution has already been pre-tested. Should you run into an unforeseen problem, HP ProCurve's support team can provide fault-isolation assistance, and in the case of complex interactions will work closely with our alliance partner to isolate the cause of an issue and propose a resolution plan.

## For more information

To find out more about the HP ProCurve ONE and Aastra MX-ONE solution, visit [www.procurve.com/one](http://www.procurve.com/one).

## Technology for better business outcomes

To learn more about HP ProCurve Networking, please visit [www.ProCurve.com](http://www.ProCurve.com)

To learn more about Aastra, please visit [www.aastra.com](http://www.aastra.com)

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