



ALE Application Partner Program

Certification Datasheet brief

Edition 01 (February 2019)



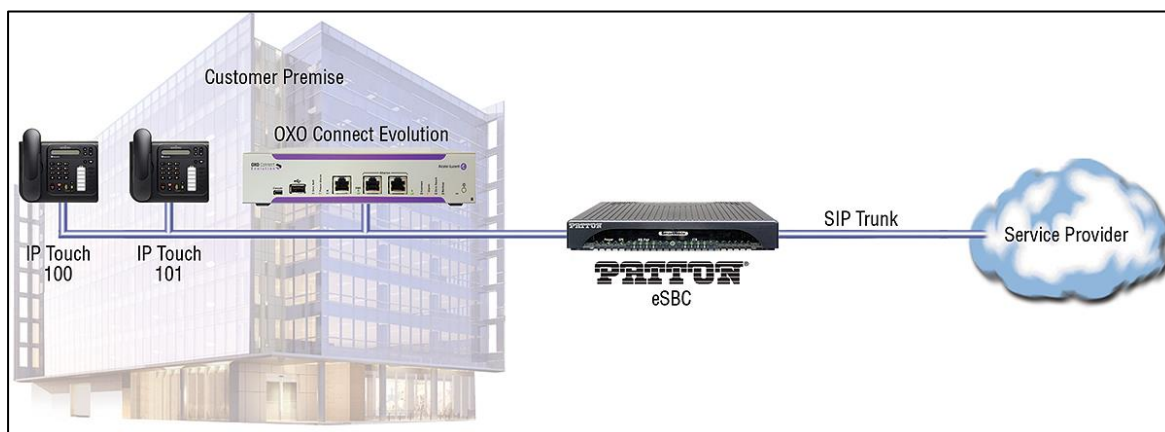
Introduction:

The SmartNode™ customer premise equipment delivers state-of-the-art VoIP technology that integrates seamlessly with existing analogue equipment and PSTN lines, digital ISDN, SIP and IP infrastructures. SmartNode provide any-to-any multipath switching, and supports simultaneous SIP, ISDN and PSTN calling—plus FAX and modem over IP.

Integration Overview:

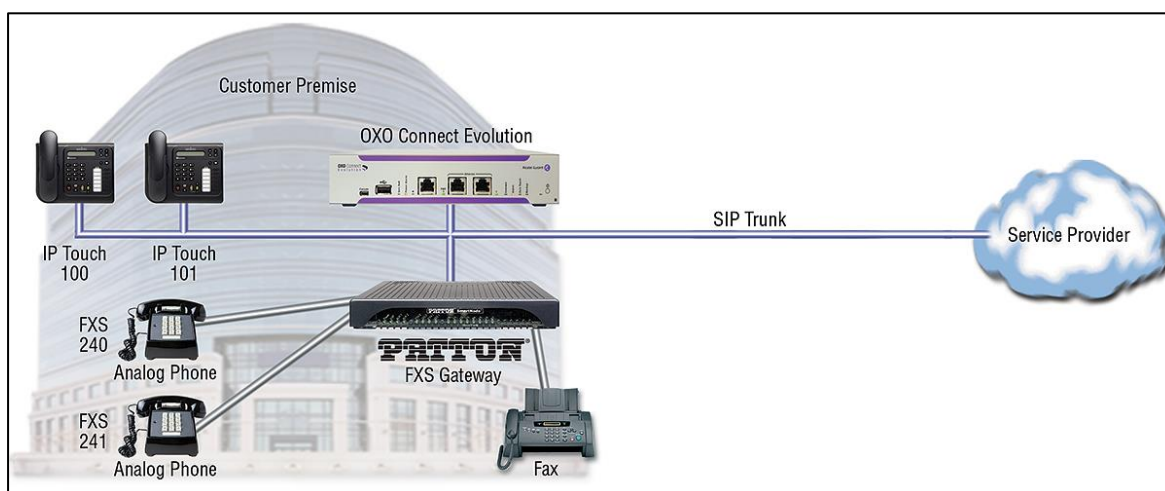
The Patton Solution certified with Alcatel-Lucent Enterprise, consists of two elements which complement the OXO Portfolio.

- Enterprise Session Border Controller – eSBC



In this use case, the Patton eSBC interfaces with the SIP trunking provider and ensures SIP interworking, NAT Traversal, SIP TLS/SRTP, IPv4/IPv6 conversion, DoS security and more.

- Analogue VoIP Gateway





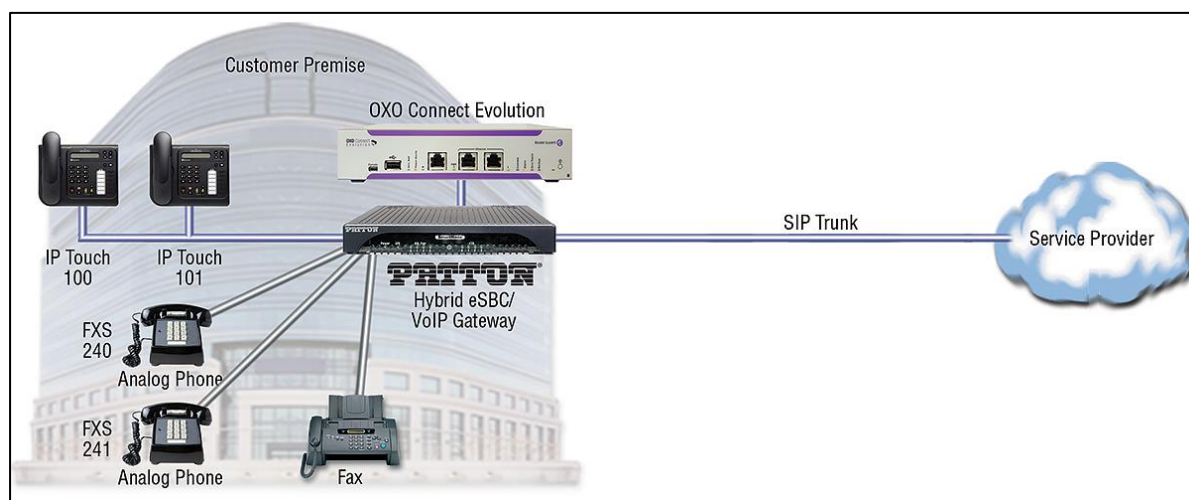
In this use case, Patton analogue VoIP Gateway provides the FXS connectivity to legacy devices such as Fax machines, PoS terminals and can optionally connect to POTS lines for survivability purposes.

Note: In addition to FXS ports, Patton SmartNode Gateways do also support connecting BRI telephones (e.g. SN4150 which has BRI and analog ports)

- **Hybrid eSBC / VoIP Gateway**

The following use case combines the previous two use cases with a single device:

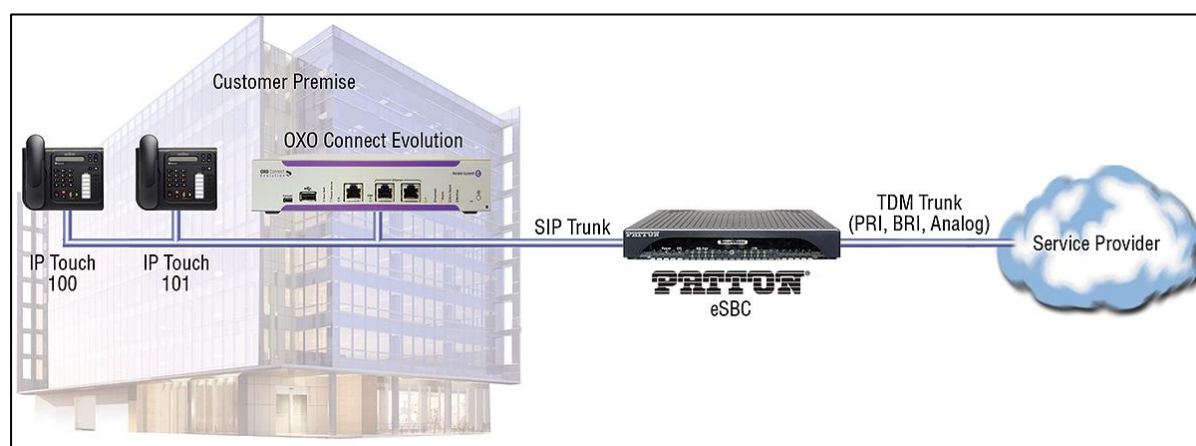
- o - Hybrid CPE - eSBC + Analogue Gateway.





- **Ancillary use case:**

The following use case allows an OXO Connect Evolution to connect legacy sites to an all-IP voice infrastructure in locations where SIP trunks are not (yet) available:



Note:

Patton CPEs are all based on a unique, common software suite which makes configuration simple. In addition, they all can be managed, monitored and administered from Patton Cloud.

<https://www.patton.com/cloud/>



Integration Details:

The SmartNode CPE`s provide the following functionalities.

- **Enterprise Session Border Controller – eSBC**
The Patton eSBC is available as purpose built CPE or as a Virtual instance running on hypervisors such as KVM, Hyper-V, Virtual Box, etc.
 - **Security**—Network separation/demarcation/split domain, intrusion prevention, encryption
 - **Interop assurance**—SIP normalization towards OXO
 - **Voice quality assurance**—Quality of service
 - **Bandwidth management**—WAN optimization, transcoding
 - **Business continuity**—Network survivability, PSTN fallback, SIP registration
 - **Centralized Management, Monitoring & Alarming / Notification** —[Patton Cloud](#)

- **Analogue VoIP Gateway**
 - **Legacy support**—Analogue telephony ports (FXS, FXO) for IP-enabling traditional TDM trunks, PBXs and phones
 - **Long reach** – Analog line up to 10km
 - **Supplementary Services** (Call-Hold, DTMF, Conference, etc.)
 - **Tax Pulse generation**
 - **Fax & Modem** transmission
 - **Centralized Management, Monitoring & Alarming / Notification** —[Patton Cloud](#)

- **Hybrid eSBC / VoIP Gateway**
 - **Combines both eSBC and VoIP Gateway applications in one device**
 - **Supports smooth migration from Legacy to All-IP**
 - **Optional: Fallback / Survivability through PSTN line (PRI, BRI, FXO)**
 - **Centralized Management, Monitoring & Alarming / Notification** —[Patton Cloud](#)

- **Ancillary Use-Case**
 - **Connects OXO to TDM Trunks**
 - Supports smooth migration from Legacy to All-IP
 - Fallback / Survivability through PSTN line (PRI, BRI, FXO)
 - **Centralized Management, Monitoring & Alarming / Notification** —[Patton Cloud](#)



Technical support contact:

Patton provides a broad range of global support, professional, maintenance, warranty and training services in multiple timezones. This world-class support organization is staffed with experienced application and network engineers as well as hardware and software engineers. A variety of packages empower you to tailor the services to fit exactly your needs, from basic telephone and email support to full installation, deployment and operation via standard or customized SLAs. .

Refer to the following for information on contacting Patton Technical Services for Support

Region	North America	Western Europe	Central & Eastern Europe
Location	Maryland, USA	Bern, Switzerland	Budapest, Hungary
Time Zone	EST/EDT UTC/GMT - 4/5 hours	CET/CEDT UTC/GMT + 1/2 hours	CET/CEDT UTC/GMT + 1/2 hours
Business Hours	Monday-Friday 8:00am to 5:00pm	Monday-Friday 09:00 to 12:00 13:30 to 17:30	Monday-Friday 8:30 to 17:00
Email	support@patton.com	support@patton.com	support@patton.com
Phone	+ 1 301 975 1007	+41 31 985 25 55	+36 439 3835
Fax	+1 301 869 9293	+41 31 985 2526	

Company Overview:

A Technology Company Focused on Communications Infrastructure.

As a long-lasting technology company Patton has seen and participated in the many changes of technology and markets. Patton lives in the change. Incorporated in 1984, we have designed and built everything from connectivity devices that connect "this-with-that", to carrier-grade Telecom equipment that connects subscribers to service providers. Patton's specialty is interconnecting yesterday's cutting edge to the cutting edge of today.

Company address:

World Headquarters	Western Europe	Central & Eastern Europe
Patton Electronics Co. 7622 Rickenbacker Dr. Gaithersburg, MD 20879, USA	Patton-Inalp Networks AG Meriedweg 7 CH-3172 Niederwangen, SWITZERLAND	Patton Hungary Zrt Gábor Dénes utca 4. Infopark Budapest H-1117, HUNGARY

Company web site:

<https://www.patton.com/>

Company logo:



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<https://www.al-enterprise.com/en/partners/aapp>