



AKTIENGESELLSCHAFT

Partner:

Ferrari electronic AG

Website:

www.ferrari-electronic.com

Partner Size:

50

Country or Region:

Germany

Industry:

Manufacturer of Telecommunications Solutions

Partner Profile:

Microsoft Gold Certified Partner providing Media Gateways for Microsoft Lync Server 2010 and Fax/UM solutions for Microsoft Exchange Server.

OfficeMaster SBA together with Microsoft® Lync™ Server 2010 provides resilient telephony for every branch office at very low TCO (total cost of ownership).

BUSINESS NEED

Unified Communications is finally fulfilling its promise by offering a new connected experience of integrated voice, IM, and audio-/video-/Web-conferencing. Lync Server 2010 transforms every communication into a collaborative, engaging, and accessible interaction.

Huge cost savings are possible through central deployment.

Instead of having to install expensive telephony solutions at every branch, the complete solution can be deployed in the datacenter located at the headquarters. Branch offices use existing WAN connections for all kinds of communications, including telephony.

Lync Server 2010 provides further cost savings by:

- Avoiding long distance charges.
- Reducing travel expenses.
- Eliminating third-party conferencing costs.
- Simplifying administration.

To avoid communications downtime in branch offices during WAN outages, Lync Server 2010 supports the use of resilient, simple and cost-effective Survivable Branch Appliances (SBA).

The SBA contains a public switched telephone network (PSTN) gateway and runs autonomously when the datacenter cannot be reached, continuing to provide communication and telephony services for branch users in case of WAN outages.

SOLUTION

OfficeMaster Survivable Branch Appliance (SBA) is based on high-quality industrial-grade server hardware (HP ProLiant), which runs Microsoft Windows Server® 2008 R2 together with Lync Server 2010 software preinstalled, with activation done through an easy-to-use Web UI by a local technician.

This Microsoft Silverlight®-based tool can be used from any workstation. It guides the local technician through a few simple steps to bring OfficeMaster SBA up and running. It also allows for inbound and outbound PSTN connectivity testing independently from Lync Server 2010 software.



Monitoring device and service status is supported as well as displaying event log entries. The appliance does not rely on keyboard and monitor; everything can be done through the Web interface.

HARDWARE OVERVIEW

A separate PCI express card contains the complete media gateway, which supports different types of ISDN connections—four basic rate interfaces (BRI) supporting 8 ports and up to 60/48 channels of E1/T1 primary rate connections. Four analog FXS ports are available on a separate low-profile PCIe card. In addition, support for SIP (Session Initiation Protocol) trunks will be available as an option.

The gateway board is seen by the server machine as a standard network card— all gateway functions are completely offloaded from the main CPU. Therefore even different types and brands of server machines could be used if desired.

The appliance is offered as a 1U device with Software-RAID supporting 2 PRI, 4 BRI, and 4 FXS interfaces. A higher-level model with Hardware RAID-Controller, redundant power supply can host two Gateway Boards supporting up to 4 PRI, 8 BRI, and 4 FXS. If more ports are needed, separate external devices can be added.

The same gateway board can also be installed in an SE server to offer a complete pilot or small business solution in a single enclosure.

BENEFITS

OfficeMaster SBA is the ideal solution for enterprises with branch office locations. There is no need for administrators to be on site during deployment and operations.

The appliances are fully equipped with all PSTN and FXO interfaces but can be ordered in configurations where only a subset (for example, one T1 connection) is needed. Other ports can be licensed separately on demand without any changes to the hardware.

The gateway is also certified as a Microsoft Exchange Server 2010 compatible partner fax solution. It

supports inbound faxing with Exchange UM role at no extra cost.

Training and support is available directly from Ferrari electronic AG or one of its partners in Europe, United States, or Asia-Pacific (APAC) area.