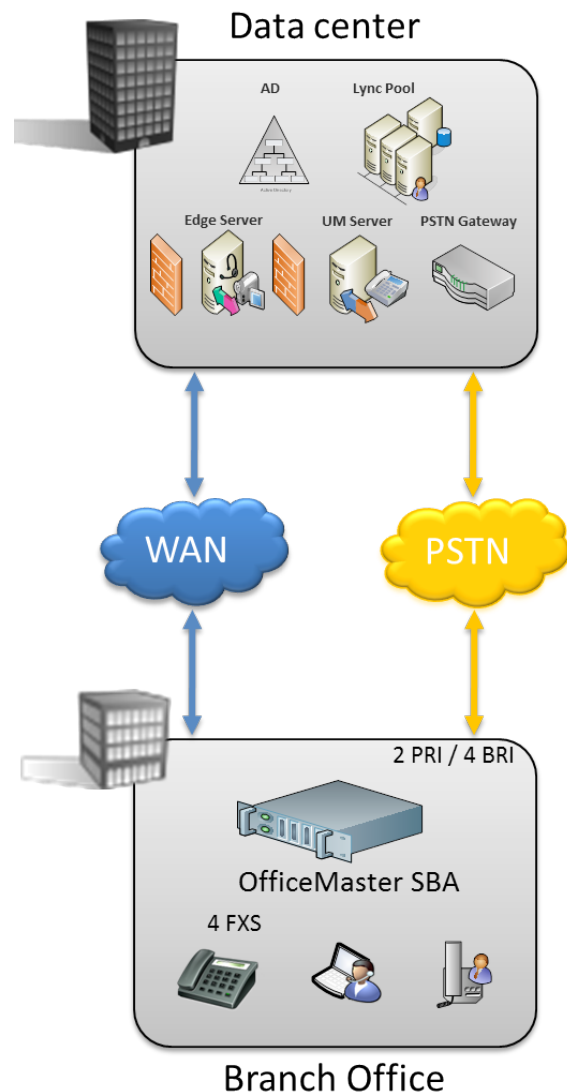


OfficeMaster SBA (Survivable Branch Appliance)

High-availability solution for branch-office telephony with Microsoft Lync Server 2010

- Based on a professional HP server running Windows Server 2008 R2 and the Lync Server 2010 SBA components
- Integrated PCIe gateway recognized by the host system as a network adapter; no special drivers necessary
- 6 digital interfaces:
4 x BRI and 2 x PRI (T1/E1) with flexible licensing according to requirements
- 4 analog ports on a separate board (licensing optional)
- Web-based configuration wizard provides easy guidance through the initial setup
- Includes a test tool for the PSTN connection
- Diagnosis, monitoring, logging (SNMP, SCOM)
- Operates with Microsoft Exchange Unified Messaging
- Direct connection to Exchange 2007 and Exchange 2010 (certified by Microsoft) to receive faxes
- Optional: installation of the unified messaging solution OfficeMaster 4



Independent telephony at branch offices

With the Lync Server 2010, Microsoft for the first time supports telephony even if the IP connection to the data center should fail. For these scenarios, Microsoft has defined a product called the "Survivable Branch Appliance".

The OfficeMaster SBA is based on a high-quality HP server running Windows Server 2008 R2 and the Microsoft SBA components (including the registrar and the mediation server). The necessary software components are pre-installed and can be activated by the local administrator with a simple web-based configuration interface.

The hardware in brief

A separate PCIe board contains the complete media gateway with various ISDN interfaces – four basic rate interfaces (BRI supporting 8 channels) and 2 primary rate interfaces (PRI supporting 60 (E1) or 46 (T1) channels). 4 analog FXS ports are available with an additional low-profile PCIe board. If more analog devices must be supported, additional SIP ATAs can be used.

The gateway board is recognized by the server as a network adapter. All gateway functions are fully independent of the main CPU, so it may even be feasible to operate with different brands of server machines.

Server hardware

- HP ProLiant, 1U, 19" for installation in the server racks HP DL 120 or HP DL 360
- AC power: 400 watts
- Gigabit Ethernet

Server software

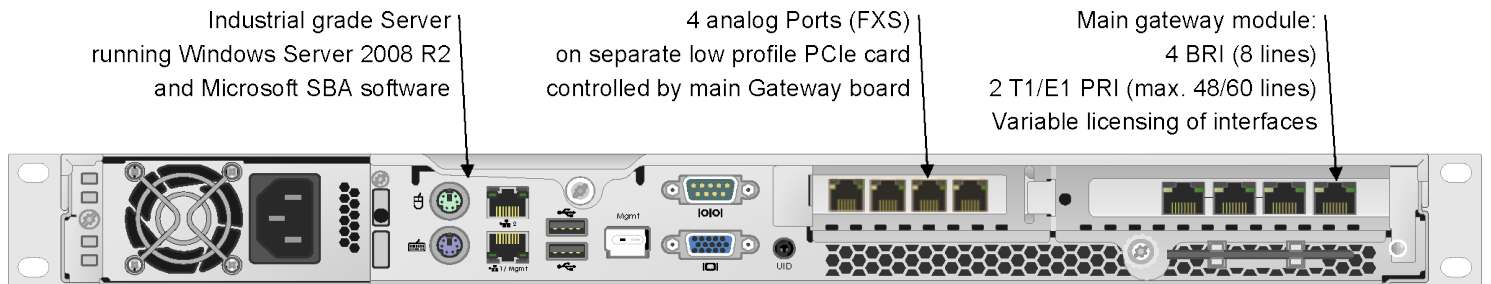
- Windows Server 2008 R2 pre-installed
- Microsoft Lync Server 2010 Survivable Branch Appliance components (registrar, proxy, routing, mediation server)
- Web-based configuration and user interface

Gateway hardware

- Integrated PCIe gateway; recognized by network drivers, thus requiring no additional drivers
- PCIe board contains the entire gateway; no load is placed on the main CPU by additional software components
- 6 digital interfaces: 4 x BRI and 2 x PRI (T1/E1) with flexible licensing
- 4 analog ports on a separate low-profile board; connection to the main gateway board via a TDM interface

Gateway software/functions

- VoIP media gateway certified for Microsoft Lync Server 2010 and Microsoft OCS (including R2)
- TLS/SRTP
- SIP over TCP
- Fax reception via T.38 and T.30 (certified fax solution for Microsoft Exchange 2010)
- PRI protocols (basic call): all Q.931 variants (ETSI/Euro ISDN, NI-2, NET5, 5ESS, DMS100), QSIG
- Text messaging (SMS) based on ETSI ES 201 912



Complete ISDN/IP gateway as the active PCI board

OfficeMaster Gate, active PCIe board (22303)	<ul style="list-style-type: none"> ■ Certified gateway suitable for Microsoft Lync, Microsoft OCS 2007 R2 ■ Permits operation of the following interfaces (additional licenses required): 4 x BRI, 2 x PRI ■ Full length, full height
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Appliance running Windows Server 2008 R2 operating system, active PCIe board, PCIe board for 4 analog interfaces

OfficeMaster Hybrid Gate/SBA (22313)	<ul style="list-style-type: none"> ■ Operates as SBA for Microsoft Lync or hybrid gateway for Microsoft OCS 2007 R2 ■ 2 x PRI, 4 x BRI, 4 x FXS ■ Software RAID
OfficeMaster Hybrid Gate/SBA (22323)	<ul style="list-style-type: none"> ■ Operates as SBA for Microsoft Lync or hybrid gateway for Microsoft OCS 2007 R2 ■ 2 x PRI, 4 x BRI, 4 x FXS ■ Hardware RAID, redundant power supply units

