

## Avaya Business Communications Manager 50/450

Enabling growing businesses to harness the power of unified communications

### Overview

Avaya Business Communications Manager (BCM) is the award-winning Linux based IP/TDM PBX convergence system that delivers excellent productivity-driving unified communications (UC) capabilities, proven and reliable voice processing, and an extensive range of feature-rich business telephony applications. This small and medium business solution is available in more than 120 countries worldwide and is ideal for companies looking for a business communications solution that delivers advanced unified communications and telephony capabilities and benefits to the small medium enterprise.

### Capabilities

#### Comprehensive. Expandable. Scalable.

Whether you're a small office of five users, a medium sized business with 300 users, or a number somewhere in between, BCM delivers a complete end-to-end communications solution to match your unique business needs. BCM now offers one common feature-rich software stream on two purpose-built hardware platforms: the BCM50 and the BCM450. Designed with ease of use in mind, both products include a common, user-friendly, browser-based management platform.

**Flexible and feature rich** — BCM delivers converged voice and data communications, simultaneously supports any mix of IP and digital clients, and provides best-in-class industry capabilities, including advanced unified communications such as federated presence, FindMe/FollowMe, Message Forwarding and more.

**Built-in applications value** — BCM supports a wide variety of clients and phones and is fully loaded with an extensive suite of applications including telephony, mobility, unified communications, productivity applications, open interfaces and toolkits — all of which can be activated easily through a simple KeyCode.

**End-to-end IP solution with integrated SIP trunking** — Through its support for Session Initiation Protocol (SIP) Trunking, BCM offers comprehensive interoperability with converged IP access services from SIP carriers and Internet Telephony service providers.

**Accelerated customization** — The BCM Developer Ecosystem enables businesses to build specialized applications from a broad "collection" of third-party development companies. Through an extensive ecosystem of more than 50 companies, your company can develop niche products and services to differentiate you from the competition.



Avaya BCM450



Avaya BCM50

### Benefits

**Reduced Costs** — BCM features lower your communications costs with applications like conferencing, InTouch, FindMe/FollowMe, and technology advances such as VoIP, SIP Trunking, simplified network and MACs (moves, adds and changes), 36-48% energy savings, and the comprehensive benefits of a converged communications solution designed for Small Medium Enterprise (SME).

**Enhanced Management** — Multi-site locations are easily managed through a simple central integrated remote management and administration solution. BCM removes the cost and time associated with having to administrator every site on location.

**Reliability and redundancy** — BCM delivers an all-in-one business continuity solution through our enhanced redundancy options and helps to ensure your critical communications infrastructure, giving you peace of mind.

**Layered security** — Extensive, multi-layered security enables BCM to withstand network attacks such as computer worms, viruses, online fraud and other cyber attacks whether from the Internet or within the organization

**Comprehensive support** — A full suite of implementation, support and managed services is available from Avaya and our many qualified partners around the world.

Model	BCM 50/450
Format	Hardware
Unit Dimensions	BCM50: 12.75" x8.6" x 2.6" BCM450: 17.5" W x7.1" H x 18.3" D (445 x 180 x 465mm); Minimum clearance front and back: 3" (75mm) Redundant Expansion Chassis: 17.6 W x 5.4 H x20" D (446 x 136 x 538mm);
Weight	BCM50 - 1.9 kg; 4.2lb BCM450 - Standard Power Supply 14.18 kg; 31.25 lbs s BCM450 - Redundant Power Supply 18.24 kg; 40.20 lbs
Operating Temperature	BCM50; 23° to 122°F; -5°C to 50°C. Up to 90-95% relative humidity at 40°C, non-condensing. BCM450; 32° to 104° F; 0° to 40°C. 1% to 90% relative humidity, non-condensing.
Power Supply	BCM50 - AC input: 100-240V -2 A, 50-60 Hz; DC output: 19 6.32 A BCM450 - Auto Sensing, 350 Watts, 90-264V AC, 50/60Hz, 7.0/3.0A
Security	<ul style="list-style-type: none"> <li>• Access authentication and authorization</li> <li>• RADIUS authentication</li> <li>• Account and Password management with multiple privilege levels</li> <li>• Comprehensive audit trail including tracking of configuration changes</li> <li>• Encrypted access and secure interface (SSL, SSH, HTTPS)</li> <li>• PAP, CHAP, MSCHAPv2 for Modem PPP remote access</li> <li>• Platform hardening and file integrity checking</li> <li>• Digitally signed software updates and backup files</li> <li>• SIP trunk authentication</li> <li>• IP Sec VPN tunnel termination (with BCM50e/be)</li> <li>• Firewall with content filtering (with BCM50e/be)</li> <li>• Network Address Translation (with BCM50e/be)</li> </ul>
Networking	<ul style="list-style-type: none"> <li>• Private Networking over SIP or PRI trunks</li> <li>• Q.Sig Networking</li> <li>• Networking with MCDN <ul style="list-style-type: none"> <li>- Coordinated or universal dialing plan</li> <li>- Message Waiting Indicator</li> <li>- Trunk Anti-tromboning</li> <li>- Trunk Route Optimization</li> </ul> </li> <li>• SIP trunking to low-cost Internet Telephony Service Providers (ITSP)</li> <li>• VPN support - IPSec (with BCM50e/be)</li> </ul>
Data Functionality	<ul style="list-style-type: none"> <li>• LAN and VLAN interfaces</li> <li>• VLAN-to-VLAN static routing</li> <li>• DHCP server</li> <li>• QoS marking</li> <li>• Network Time Protocol (NTP)</li> <li>• Integrated router (with BCM50e/be)</li> <li>• IP Sec VPN termination (with BCM50e/be)</li> <li>• RIP/RIPv2 (with BCM50e/be)</li> <li>• Ethernet WAN with PPPoE (with BCM50e/be)</li> <li>• NAT and Firewall (with BCM50e/be)</li> </ul>

## Learn More

To learn more about Avaya Business Communications Manager contact your Avaya Account Manager or your Avaya Authorized Partner. Or visit us at [avaya.com](http://avaya.com)

## About Avaya

Avaya is a global leader in enterprise communications systems. The company provides unified communications, contact centers, and related services directly and through its channel partners to leading businesses and organizations around the world. Enterprises of all sizes depend on Avaya for state-of-the-art communications that improve efficiency, collaboration, customer service and competitiveness. For more information please visit [www.avaya.com](http://www.avaya.com).



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References to Avaya include the Nortel Enterprise business, which was acquired as of December 18, 2009.

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