

SMB Server

Frequently Asked Questions

Table of Contents

1. Q. What is the SMB Server appliance and what does it offer?.....	3
2. Q. Who is the target customer for the SMB Server appliance?	3
3. Q. How do I buy a SMB Server appliance?.....	3
4. Q. What are the configurations available for SMB Server appliance?.....	3
5. Q. What services does the SMB Server appliance provide?.....	3
6. Q. What makes SMB Server appliances secure?	3
7. Q. What intranet services does the SMB Server appliance provide?	4
8. Q. What network gateway services does the SMB Server appliance provides?.....	4
9. Q. What management services does the SMB Server appliance provide?.....	4
10. Q. How easy it is to install a SMB Server appliance?	4
11. Q. What is involved in the installation of the SMB Server appliance?	4
12. Q. Where are SMB Server appliances installed on the network?.....	4
13. Q. How do I configure the TCP/IP parameters?.....	4
14. Q. What do I need to set up my own local network?.....	5
15. Q. What are the Internet connections supported by SMB Server?.....	5
16. Q. Where should I connect my internal LAN?.....	5
17. Q: What is a 'DMZ' and why do I need it?.....	5
18. Q. What is a VPN (Virtual Private Network) and what can I use it for?.....	5
19. Q. Can I create a VPN (Virtual Private Network) using the SMB Server appliance?..	6
20. Q. Can I give external users access to internal services without using VPN?	6
21. Q. Can I be locked out of my SMB Server appliance while configuring the firewall? 6	
22. Q. How do I update the software on the SMB Server appliance?	6
23. Q. How can I migrate Mails from another SMB Server appliance?.....	6
24. Q. Can I import users and groups?	6
25. Q. How do I configure and manage the SMB Server appliance?.....	6
26. Q. Can I remotely manage my SMB Server appliance without security issues?	6
27. Q. How do I access my mailbox created on the SMB Server appliance?.....	7
28. Q. Can I restrict Web access for my internal users?.....	7
29. Q: What is the maximum number of nodes supported by SMB Server Appliance?	7
30. Q: Will SMB Server appliances work with Cable and DSL Modems?.....	7
31. Q. How can I limit the bandwidth usage without restricting Web access?.....	7
32. Q. Can I upgrade the firmware?	7
33. Q. How can I back up my SMB Server appliance?	7
34. Q. How do I know if something goes wrong in my system?	8
35. Q. How much power does the SMB Server appliance draw?	8
36. Q. What does SMB Server packaging contain?	8
37. Q. I did not find the answer to my question in this document. Where else can I go? .	8
38. Q. What about SMB Server appliance's warranty and support?	8

1. Q. What is the SMB Server appliance and what does it offer?

A. SMB Server appliance is a plug-and-play server appliance designed specifically for the Internet and intranet needs of branch offices, workgroups, small businesses, government agencies, educational institutions and vertical applications. As a standard package SMB server offers Firewall, Web Access Control, DHCP and DNS services.

The entire services and applications are pre-installed and managed through an intuitive Web-based interface.

To facilitate the integration of additional services and applications, the SMB Server appliance's modular software architecture is designed to make the deployment of new Web applications and services as easy as a click of a button. We offer customers the various modules to upgrade SMB server from time to time. All the updates will be at not additional cost and whereas every modular upgrade will be available at marginal cost.

2. Q. Who is the target customer for the SMB Server appliance?

A. SMB Server appliance has been designed for the Internet and intranet needs of small businesses, branch offices, workgroups, government agencies, educational institutions and vertical applications.

3. Q. How do I buy a SMB Server appliance?

A. SMB Server appliance is now available from select SMB Server OEMs and their resellers. For more information, please contact us at info@power-solutions.net

4. Q. What are the configurations available for SMB Server appliance?

Models	Configuration
SMB Server 500ME Series	Desktop, 300MHZ CPU, 128MB RAM, 20GB HDD
SMB Server 1100 Series	Rack Mountable, 300MHZ CPU, 128MB RAM, 20GB HDD
SMB Server 2100 Series	Rack Mountable, PIII 933MHZ CPU, 512MB RAM, 40GB HDD

5. Q. What services does the SMB Server appliance provide?

A. SMB Server appliance comes pre-configured with a Stateful Firewall, Web Access Control, Mail server, DHCP, DNS and 128bit SSL.

6. Q. What makes SMB Server appliances secure?

A: SMB Server appliance uses Stateful packet inspection to determine if a data packet is allowed through the firewall to the private LAN. SMB Server product support Network

Address Translation (NAT), which translates multiple IP addresses on the private LAN to one public address that is sent out to the Internet. This adds a level of security since the address of a PC connected to the private LAN is never transmitted on the Internet. SMB Server Internet security appliances are also pre-configured to automatically detect and thwart Denial of Service (DoS) attacks such as Ping of Death, SYN Flood, LAND Attack, IP Spoofing, etc.

7. Q. What intranet services does the SMB Server appliance provide?

A. SMB Server appliance comes pre-configured to support LDAP service, DHCP server and DHCP client.

8. Q. What network gateway services does the SMB Server appliance provides?

A. SMB Server appliance comes pre-configured with Web Caching, Web Access Control, Remote Access VPN, Network-to-Network VPN, Network Address Translation, Static NATing, Internet broadband support, PPPoE, Dial-up Access control and IP Firewall. Network-to-Network VPN are available on the SMB Server FW2100 series only.

9. Q. What management services does the SMB Server appliance provide?

A. SMB Server appliance comes pre-configured with a Web-based administration interface, with SSH support. It also provides easy interface to update and upgrade the services and applications.

10. Q. How easy it is to install a SMB Server appliance?

A. Installing SMB Server is easy and takes only few minutes time to fill a few forms in the Web-based administrator interface. If the SMB Server appliance is integrated into an existing network, its DHCP client will automatically configure its networking parameters.

11. Q. What is involved in the installation of the SMB Server appliance?

A. It is as simple as connecting the power and the Ethernet port, turning it on and configuring a few setup screens. In the worst-case scenario, if you choose the manual installation procedure, you will have to manually enter the IP address, netmask and default gateway using the SMB Server Web-based administrator interface.

For more details refer User Manual

12. Q. Where are SMB Server appliances installed on the network?

A: In a typical environment, the SMB Server is installed between the Internet router and the LAN. This placement ensures that the SMB Server will analyze all traffic to and from the Internet. No reconfiguration is needed on the existing Internet router.

13. Q. How do I configure the TCP/IP parameters?

A. In the server IP address, netmask and gateway address are configured through the Web-based interface.

For more details refer User Manual

14. Q. What do I need to set up my own local network?

A. With help of SMB Server appliance you can easily create a small to medium office network. Using Ethernet cables, connect your appliance and your other computers to an Ethernet switch or hub. All you need to do now is start the SMB Server appliance, enable DHCP and start the other computers on the network, making sure that they are configured to be DHCP clients. SMB Server automatically allocates IP Address to you entire networked client systems.

For more details refer User Manual

15. Q. What are the Internet connections supported by SMB Server?

A. With the SMB Server appliance, you have the freedom to choose the right type of Internet connectivity for your business. A single connection to the Internet using your choice of an external analog modem, a DSL router, a cable modem, an ISDN or Leased-line router can be securely shared across an entire organization.

16. Q. Where should I connect my internal LAN?

A. SMB Server consists of 3 Ethernet ports. They are as follows:

1. External
2. Internal
3. DMZ

You will have to connect your internal LAN to Internal Ethernet Port. In case you are using Router you will connect the Router to the External Ethernet port. If you are using Analog Dialup-up modem or ISDN TA you can using Serial port provided in the SMB Server.

For more details refer User Manual

17. Q: What is a 'DMZ' and why do I need it?

A. SMB Server Appliance include a third Ethernet port, called a DMZ port ("De-Militarized Zone"). Servers placed on the DMZ, such as Web and FTP servers, are accessible to both LAN and Internet users, but are protected against DoS attacks. The servers or computers placed in the DMZ location can be highly monitored and the traffic to and from the DMZ can be customized to suite your application need.

18. Q. What is a VPN (Virtual Private Network) and what can I use it for?

A. A simple VPN is a "virtual" tunnel between two machines. All network traffic between these machines passes through this "virtual" tunnel. A VPN typically uses mechanisms such as authentication and encryption to ensure data integrity and confidentiality. VPN's are typically used to provide secure communication between systems across the Internet. Company to company or branch-office to head-office secured communications are common examples.

VPN technology is becoming more inexpensive and high speed Internet access is also becoming both more prevalent and inexpensive. This contributes to VPN's becoming a

cost-effective alternative to private networks and also an effective way to provide high-speed network access from home to the office.

19. Q. Can I create a VPN (Virtual Private Network) using the SMB Server appliance?

- A. Yes, you can create two types of VPN using SMB Server. They are:
1. Client to Gateway VPN: You can provide remote users secure access to the internal LAN using the Client to Gateway VPN based on PPTP (Point-to-Point Tunneling Protocol).
 2. Gateway-to-Gateway VPN: Gateway-to-Gateway VPN is designed to create secure network-to-network connections and uses IPSec. Gateway-to-Gateway VPN is available on the SMB Server 2100 series.

20. Q. Can I give external users access to internal services without using VPN?

A. Yes. SNAT allows you to forward network traffic from an arbitrary network port on one network interface of your SMB Server appliance to another computer. SNAT must be used very carefully as it does not provide any type of encryption.

21. Q. Can I be locked out of my SMB Server appliance while configuring the firewall?

A. No. A Firewall verifies that the Web browser used by the Administrator is still able to communicate with the appliance after the firewall settings have been applied.

22. Q. How do I update the software on the SMB Server appliance?

SMB Server software can be updated with the patches sent by us or by downloading the patch from the DayBegins ftp site. These updates or services can come directly from the DayBegins or, in the future, from OEM's and service providers.

23. Q. How can I migrate Mails from another SMB Server appliance?

A. SMB Server offers feature to backup the mails and configuration to another system in your network. You can specify this location and restore the mails to another SMB server.

24. Q. Can I import users and groups?

A. No. But you can use the users or groups of your LDAP server by making LDAP Server configuration in the SMB Server.

25. Q. How do I configure and manage the SMB Server appliance?

A. SMB Server appliance can be locally or remotely managed using the SMB Server Web-based interface. SMB Server Web-based interface takes the hassles out of configuring and managing the system and software.

26. Q. Can I remotely manage my SMB Server appliance without security issues?

A. Yes, SMB Server appliance comes standard with 128-bit SSL for secure remote management through the SMB Server Web-based interface.

27. Q. How do I access my mailbox created on the SMB Server appliance?

A. SMB Server appliance allows the use of standard email clients supporting the email protocols SMTP, POP3 or IMAP4. You can configure these email clients to send and receive mails from the SMB Server Mailbox.

28. Q. Can I restrict Web access for my internal users?

A. Yes. SMB Server appliance comes with Web Access Control, a feature that allows you either to deny Web access to pre-defined Sites or to allow access only to specific Web Sites. You can even define conditional time wise user based and IP based policy to allow or deny any of the Internet services.

29. Q: What is the maximum number of nodes supported by SMB Server Appliance?

A: SMB Server Appliance 500ME series can support up-to 60 nodes on the LAN. SMB Server Appliance FW2100 series can support up-to 250 nodes on the LAN. For these models, the real limitation is the available bandwidth of the Internet connection and how active the users are in their access to the Internet.

30. Q: Will SMB Server appliances work with Cable and DSL Modems?

A. Yes. The SMB Server product plugs into the Cable or DSL Modem's Ethernet port. Additionally, the SMB Server can be configured to get IP address from a DHCP server, which is often required by many Cable and DSL Modems.

31. Q. How can I limit the bandwidth usage without restricting Web access?

A. SMB Server has built-in Web cache. Because it is centrally storing Web objects for all the LAN users, the Web caching proxy reduces the Internet bandwidth consumed by Web browsing while it improves the response of frequently accessed Web sites. SMB Server stores up to 200MB data in the Web Caching.

32. Q. Can I upgrade the firmware?

A. DayBegins provides updates and patches to the software and system. Notifications and patches are automatically sent to you through email will be applied to SMB Server Appliance.

33. Q. How can I back up my SMB Server appliance?

A. SMB Server Web-based interface provides backup/restore options that are easily configurable. You can specify the destination path for the backup and same path you can specify for the restore.

34. Q. How do I know if something goes wrong in my system?

A. SMB Server appliance provides Diagnostic Interface that provides various diagnostic tools such as Trace root, Ping, IDS logs, system logs etc. Using the Web-based interface, the administrator can easily diagnose what went wrong in your SMB Server Appliance.

35. Q. How much power do the SMB Server appliance draw?

SMB Server appliance's power consumption is 45 Watts max.(at Power Up), 33 Watts (typical) and 22 Watts (idle).

36. Q. What does SMB Server packaging contain?

SMB Server Appliance comes with following:

- Patch cords 3 nos.
- Serial cable 1 nos.
- Power cable / adopter 1 nos.
- CD's

37. Q. I did not find the answer to my question in this document. Where else can I go?

Please contact us with your query at info@power-solutions.net

38. Q. What about SMB Server appliance's warranty and support?

The standard warranty is 1-year parts and labor. Additional warranty and support options are available. For more information on SMB Server support options and packages, please contact us at info@power-solutions.net