



802.11b Wireless Networking

ShAir Office™ and ShAir Fiber™



- Wireless Internet Sharing
- Wireless Printer Sharing
- 11Mbps Networking
- Firewall Security
- Remote Access
- Integrated Fiber Connectivity

Shared Internet

ShAir Office supports a single shared IP Internet access connection for up to 253 users and is configurable for a variety of modular connection options, including fiber, Ethernet, DSL, ISDN, or dial-up.

Printer Sharing

ShAir Office directly connects the printer to the network via parallel port and provides workgroups access to printing either wired or wirelessly.

802.11B Wireless Access Point

Standards-compliant with wireless networking at 11Mbps, clients access ShAir Office capabilities using either a wireless PCMCIA client or a wireless USB client.

Firewall Security

ShAir Office security is addressed via NAT, VPN, packet filtering, access control, and 64/128 bit Encryption (WEP) Wireless. ShAir Office enables NAT firewall changes while maintaining a secure computing workgroup

Remote Access Services

ShAir Office provides network access via built-in Remote Access Services (RAS) so users can connect from anywhere and perform all functions available when connected locally, including email, internet browsing, printing, and file access.

100Mbps Fiber Connectivity

For extending and setting up networks to multiple nodes up to 100km away, ShAir Office Fiber provides multiple connector options in SC, ST, and MT-RJ



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802.11b Wireless Networking

ShAir Office™ and ShAir Fiber™

Features

Internet Access: Up to 253 LAN or WLAN users via single IP address
Fixed or Dynamic IP Address: Supports both Dynamic IP address and Fixed IP address
PPPoE Support: PPP over Ethernet access if ISP requires
Virtual Server Access: Allows authorized users to access servers on the LAN
Control Features: Limits Internet access by workstation or URL filter blocks access to undesirable Web sites by LAN/WLAN users, or the Dial-in user
Access Control Log: Usage monitoring and management
Internet Applications: Support for evolving applications such as videoconferencing and VoIP
Management: Browser-based over LAN or via Remote Access Server or Secure Internet connection

Specifications

Interface: PCMCIA 68pin, 16bit data
Standards Compliance: IEEE802.3, IEEE802.11b, PCMCIA 21, JEIDA 24, WEP (64 or 128 bit encryption)
Frequency: 24 to 24.835GHz (ISM band in US)
Channels: Maximum 13, depending on regulatory domain
Data Rate: 11, 5.5, 2, 1Mbps
Coverage: 11Mbps up to 330 feet (110m)
Receiver Sensitivity: -80dBm min.
Power: DC +33V / 220m
Output Power: 13dBm (typical)

Fiber Connectivity

SC (SMF 15, 40, 70, 100km; MMF 2 km)
ST (2 km)
MT-RJ (SMF 15 km, MMF 2km)

Security

Operates in "full stealth" mode undetected by port scanners
Local IP addresses concealed via Network Address Translation (NAT)
WEP (Wired Equivalent Privacy) 64/128 bit support
Access control via station address
Incoming data packet monitoring and incoming server request filtering

Printer Sharing

Printer connects to ShAir Office parallel port for use by all PCs on LAN and Wireless LAN
Supported Operating Systems: Windows 95/98/ME, Windows NT 40 or 2000, Apple Macintosh, Linux

Remote Access Services

Standard dial-up connection for remote PC users
DSL & Cable Modem Support via 10BASE-T Ethernet
Analog Modem and ISDN TA for shared Internet access
Dial-back Support: Ends initial call and re-dials remote user, support both fixed and roaming options

Ports

One RJ-45 10/100 Mbps Ethernet (LAN)
One Serial DB-9 RS-232 (ISDN/analog Modem)
One Parallel DB-25 (Printer connection port)
One RJ-45 10Mbps (Cable/DSL/Ethernet connection)
One Wireless PCMCIA 80211B

Physical, Power, and Standards

Dimensions: 242 mm x 172 mm x 32 mm (95 W x 675°D x 125°H)
Operating Temperature: 0 to 50°C (32°F to 122°F)
Storage Temperature: -20°C to 70°C (-4°F to 158°F)
Operating Humidity: 10% to 90% (non-condensing)
Relative humidity: 10% to 90%
Altitude: 0 - 3650m (0 to 12,000 ft)

Input voltage: 110 or 240VAC County Specific Power Supply @ 50 or 60 Hz

Output voltage: 12VDC @ 800 mA

Safety: UL 1950, CSA 222 No 950, EN60950 (TUV)

Emissions: FCC Class B, EN55022 Class B, EN50082-1, CE Mark, VCCI, AUS/NZS 3548 Class B

Ordering Information

ShAir Office Multifunction Access Point (MIL-W0311US)

Provides complete functionality for IP Sharing, Routing, Firewall Security, Printer Sharing, and Remote Access Support.

ShAir Office Wireless Multifunction Access Point (MIL-W1311US)

Enables 802.11b wireless connectivity for ShAir Office. Complete functionality for IP Sharing, Routing, Firewall Security, Printer Sharing, and Remote Access Support.

ShAir Office 11Mbps PCMCIA Client Adapter (MIL-S1897)

Provides 80211b wireless connectivity from clients to ShAir Office

ShAir Office 11Mbps USB Client Adapter (MIL-W1898)

Provides 80211b wireless connectivity from clients to ShAir Office

ShAir Office Multifunction Access Point + 10/100 UTP (MIL-0311TX)

ShAir Office Multifunction Access Point + SC Fiber (MIL-0311SC)

ShAir Office Multifunction Access Point + ST Fiber (MIL-0311ST)

ShAir Office Wireless Multifunction Access Point + 10/100 UTP (MIL-1311TX)

ShAir Office Wireless Multifunction Access Point + SC Fiber (MIL-1311SC)

ShAir Office Wireless Multifunction Access Point + ST Fiber (MIL-0311ST)

Warranty

Comprehensive 3 years

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