

Industry leading connectivity

PERFORMANCE, RELIABILITY, FLEXIBILITY, INTEGRATION AND SECURITY



The 9500 Communications Server (CS) is the intelligent hub of a Psion Teklogix wireless infrastructure solution. The 9500 CS delivers an industry leading combination of performance, reliability, flexibility, security and integration in one device. Unparalleled data optimization delivers real-time data transmissions in large, high transaction wireless systems typical of logistics operations such as distribution, manufacturing, and warehousing. Controls, management and security are centralized in the 9500 CS to deliver the highest levels of functionality along with the greatest ease of administration.



ADVANTAGES

- **Class Leading Performance:** Advanced Session Management keeps sessions with the terminal open, even if the device is out of range or is powered off. Terminal Emulation capabilities and WinTSF Screen Formatting makes sure the right information is presented to the terminal user with exceptionally quick response times.
- **Outstanding Reliability:** the solid reliability of Windows 2003 Server Edition is combined with industrial class server components to deliver outstanding reliability. Optional High Availability version delivers Automatic System Monitoring as well as redundant, hot swappable power supplies and disk drives.
- **Exceptional Flexibility:** The 9500 CS supports multiple hosts on multiple networks and complete radio-independent connectivity.
- **Seamless Integration:** Based on Windows 2003 Server, and available with comprehensive emulation options, the 9500 CS delivers a seamless fit with almost any infrastructure.
- **Robust Security:** Radius Server capabilities combine with User Privilege levels to help deliver a secure wireless solution. The 9500 CS also offers Network Separation between the wired and wireless networks to help control network access.
- **Administration Ease:** Centralized Diagnostics team with common network management/diagnostic protocols such as SNMP, HTTP, TFTP and Telnet to speed troubleshooting if problems do arise. Terminal Services delivers remote desktop access for administrators without the need for third-party software. For the most robust network capabilities, the 9500 is compatible with Psion Teklogix' network management package, MapRF.



9500 Communications Server



Specifications



9500 Communications Server

PROCESSOR, OPERATING SYSTEM & MEMORY

- Pentium III processor; with 256KB cache
- Operating System: Microsoft Windows 2003 Server Edition
- System Memory: 512MB SDRAM
- Hard Disk Basic: Single 3.5" 7200rpm ATA100 40GB IDE
- Hard Disk High Availability: Dual 3.5" 7200rpm SATA 80GB 8MB cache
- Internal CD-ROM Drive

HOST COMPUTER / BASE STATION INTERFACES

- On Board PCI Bus 10/100 Ethernet
- 4 PCI slots
- COM Serial Interface / Cable
- Two Serial RS-232 ports

EMULATION

- IBM 5251 emulation for IBM AS/400, S/38 and S/36 series midrange computing
- IBM 3274 emulation for IBM 30XX and 43XX series mainframe computers
- ANSI terminal emulation for DEC, UNIX and Windows NT
- HTML emulation to connect to web-based applications

NETWORK PROTOCOLS

- SNA
- TCP/IP with Telnet
- DHCP/DNS
- SNMP MIB-II Compliant

SIZE & WEIGHT

- Standard 19" Rack-mountable 4U Chassis
- Weight: 30kg (65lbs)

ENVIRONMENTAL REQUIREMENTS

- Temperature:
Operating: 0°C to +50°C/32°F to 122°F
Storage: -40°C to +55°C/-40°F to 131°F
- Humidity: 5% to 95% relative, non-condensing

POWER

- Voltage: 90 - 132VAC or 180 - 264VAC switch selectable or 90 - 264VAC autoranging
- Frequency: 47 Hz to 63 Hz
- Power Supply: 300W

HIGH AVAILABILITY OPTION

In addition to all previously listed features, the 9500 CS High Availability version adds the following features for enhanced availability:

Component	Protection
Hard Disk	Raid Level 1 (dual mirrored disks) with Hot Swap Capability
Power	Dual 300W Power Supplies with Hot Swap Capability
Automatic System	Hardware & Software feature that monitors power supplies and system operating temperatures. Automatically generates SNMP alerts for over-temperature conditions or power supply failures.

APPROVALS

- USA
FCC part 15, subpart B (unintentional radiated emission) UL60950-1, 2003 Bi-Nat (electrical safety)
*Note NRTL/C done by CSA covers UL60950-1 bi-national standards
- Canada
ICES-003 / CSA C108.8-M1983 (unintentional radiated emission) CSA 60950-1 CSA-C22.2 No. 60950-1-03 (electrical safety)
*Note FCC part 15, subpart B covers ICES-003 / CSA C108.8-M1983
- European CE Mark
EMC Directive:89/336/EEC
R&TTE Directive: 1999/5/EEC
Low Voltage Directive: 73/23/EEC
- CB

*Specifications are subject to change without notification.