

AlterPath™ KVM/netPlus

Enterprise KVM over IP Solutions

The AlterPath™ KVM/netPlus family of enterprise-class KVM over IP switches is designed for local and remote server administration with centralized management and advanced security features. The AlterPath KVM/netPlus is the industry's first KVM solution to offer Cyclades AdaptiveKVM™ technology (patent pending) that combines Microsoft® Remote Desktop Protocol (RDP) functionality with KVM over IP access in a single device.

The AdaptiveKVM feature allows users to manage most administrative tasks using the efficient RDP protocol, delivering seamless performance, even over low-bandwidth connections. The AlterPath KVM/netPlus can easily switch from RDP sessions to KVM over IP sessions when Windows-based servers are down or become disconnected from the IT production network. The AlterPath KVM/netPlus provides a cost-effective and simplified management solution over low-bandwidth connections.

Fully integrated security features include server-based authentication and support for RADIUS, TACACS+, LDAP, Kerberos, NTLM, NIS and Active Directory. In addition, the AlterPath KVM/netPlus supports user access control lists (ACLs) per port and user access logging. This allows IT managers and administrators to manage their servers with greater control and peace of mind.

The AlterPath KVM/netPlus can also be combined with the AlterPath Manager, Cyclades out-of-band infrastructure (OOBI) manager, to provide users with a consolidated view of all KVM ports, centralized security and data logging. This reduces network maintenance costs and provides easier and faster provisioning of the OOBI.

Available in 6 models, providing 1, 2 or 4 digital channel access to 16 or 32 servers in 1U of rack space, the AlterPath KVM/netPlus helps streamline remote access to servers throughout the IT infrastructure and includes the scalability and security features to accomplish this objective. The AlterPath KVM/netPlus reduces operational costs and risks while increasing IT personnel efficiency and productivity.



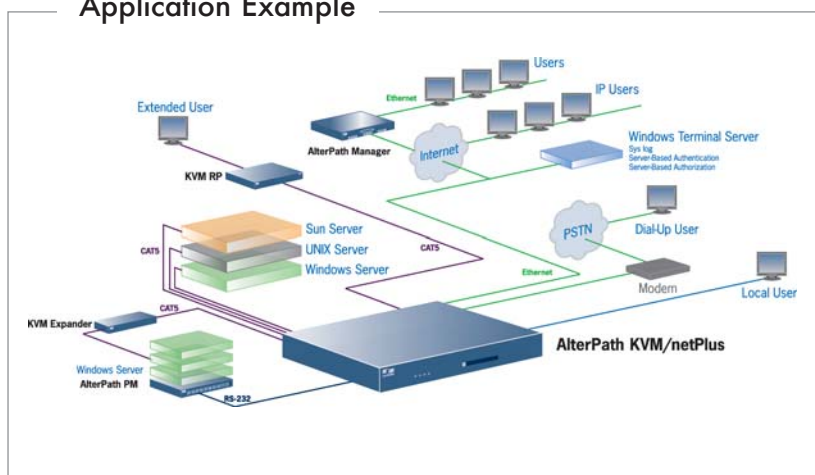
Applications:

- KVM switching and control
- Local and remote server administration
- RDP sessions to provide enhanced remote performance - even over low-bandwidth connections
- Simultaneous local and remote access to servers and workstations for multiple users
- Power and temperature management

Benefits:

- Global access anytime (KVM over IP)
- Simplified management
- Reduced IT operational costs and risks
- Advanced security features with centralized authentication and 128-bit private key encryption
- Simple and inexpensive CAT5-based cabling
- Enterprise-level scalability with centralized management
- Future investment protection

Application Example



An Avocent Company

AlterPath KVM/netPlus Specifications

Hardware	Features																																							
<p>CPU: MPC859P (Power PC) @133 MHz</p> <p>Memory: 128 MB DIMM SDRAM/256 MB compact flash</p> <p>Interfaces: 1 Ethernet 10/100 BT on RJ-45 1 RS-232 console on RJ-45 2 RS-232 auxiliary ports on RJ-45 16 or 32 RJ-45 KVM ports (CAT5-based) 1 VGA HD15 female and 2 MiniDIN6 (PS/2) user interface 1 RJ-45 user interface (CAT5-based) 2 PCMCIA slots (16-bit PC Card)</p> <p>Power: 100 V/240 V, 50/60 Hz, 0.78 A/0.46 A</p> <p>Form Factor: 1U rack mountable (rack mount kits included)</p> <p>Operating Temperature: 32°F to 122°F (0°C to 50°C)</p> <p>Storage Temperature: -40°F to 185°F (-40°C to 85°C)</p> <p>Humidity: 5% to 90% noncondensing</p> <p>Dimensions: (WxDxH) KVM/netPlus 17 x 15 x 1.75 in (43.18 x 38.1 x 4.45 cm) KVM Expander 12 x 2.5 x 1.53 in (30.48 x 6.35 x 3.87 cm) KVM Terminator 1.24 x 2.60 x 0.85 in (3.15 x 6.60 x 2.16 cm) KVM RP 9 x 9 x 1.75 in (22.86 x 22.86 x 4.45 cm)</p> <p>Certification: CSA, FCC, CE, EN60950, VCCI, C-Tick</p>	<p>Accessibility</p> <ul style="list-style-type: none"> • 16 or 32 server ports • 2 local users and 1, or 2 or 4 remote users over IP network simultaneously <p>Security</p> <ul style="list-style-type: none"> • Local, RADIUS, TACACS+, LDAP, NTLM, NIS, Active Directory and Kerberos authentication • Token-based strong authentication (RSA SecurID) • Local backup user authentication • 3DES and RC4 encryption (KVM over IP viewer only) • User ACLs per port • User access logging • System event syslog <p>Server Management</p> <ul style="list-style-type: none"> • Access through Web management interface (WMI) or on-screen display (OSD) • Port name assignment • Simultaneous access on the same port (port sharing for local and remote users) • Cascading with centralized port management (access and configuration) • Programmable cycling of screens • Maximum resolution 1,600 x 1,200 @ 60 Hz (local stations only); 1,280 x 1,024 @ 60 Hz (KVM over IP) • Temperature monitoring • Optional integrated power management with the AlterPath PM • Optional 8- and 16-port expander modules <p>System Management</p> <ul style="list-style-type: none"> • WMI for configuration <p>Cabling</p> <ul style="list-style-type: none"> • CAT5-based terminators • Compatible with PC PS/2, PC USB and Sun USB keyboard/mouse interfaces • CAT5, CAT5e, CAT6 and CAT7 UTP cabling • Cable length up to 500 ft (152.4 m) distance between terminator and KVM switch <p>Upgrades</p> <ul style="list-style-type: none"> • Upgrades available on FTP site • Flash upgradeable • TFTP support for network boot 																																							
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