

## Enterprise Remote-Access Server Features

	Access Beyond AB4400 Remote Access Server	ACC Tigris Integrated Access Platform	Ascend MAX 4048	Bay Networks Model 5399 Remote Access Concentrator	Cabletron Systems CSX7000	Gandalf Xpressway RLAN	General DataComm SpectraComm RLN	Multi-Tech Systems CommPlete Communications Server
<b>Management:</b>								
Management OS	Windows 3.1/95/NT	Windows NT, Unix	Windows NT, HP-UX	Windows NT, Unix	Windows NT	Windows 95/NT	Windows 3.X/95	Windows 3.1/95/NT
Management protocols supported	SNMP, telnet, IP, IPX	SNMP, telnet, HTTP	SNMP, IP, terminal	SNMP	SNMP, telnet, TFTP	SNMP, telnet	SNMP	SNMP, telnet, FTP, HTTP
Diagnostic statistics	SNMP activity log, management tool	SNMP, trap log	SNMP, screen, log	Syslog, local, screen	SNMP, log, PPP trace, ISDN trace	SNMP, call log, event log, port statistics screen	SNMP, screen, log	SNMP, MMM software, log, RAS utils
Statistical samples stored as history	●	●	●	●	●	●	●	Windows Server software, MMM event files
Network management platforms supported beyond launch	Windows 3.1/95/NT	HP OpenView Newbridge Main Street Manager, VIVID, SNMPc	HP OpenView Stand Alone	Unix/NT	Spectrum Enterprise Manager	SNMP	MIB I, MIB II	SNMP MIB II, HTTP
Management of multiple servers	●	●	●	●	●	●	●	●
Call accounting	RADIUS, TACACS, XTACACS	RADIUS	RADIUS, Ascend Access Control	RADIUS, Call history	RADIUS, SFVRA	RADIUS, Call Log with auto FTP transfer, TACACS	●	RADIUS, TACACS+
Call cost accounting	●	●	●	○	○	○	●	●
Call accounting across multiple servers	●	●	●	●	RADIUS, SFVRA	●	●	RADIUS, TACACS+
Diagnostics across multiple servers	●	●	●	●	●	○	●	MMM software (modems)
Copy configuration from server to server	●	●	●	●	●	●	●	●
Authentication services supported	RADIUS, Local, TACACS, XTACACS, Bindery	RADIUS, CLID, SecureID	RADIUS, TACACS, TACACS+, Local, Ascend Access Control, Secure ID	RADIUS, SecureID, ACP (Authentication Control Process)	RADIUS, Ethernet Address, TACACS, SecureID	RADIUS, Internal, TACACS	RADIUS, TACACS, TACACS+, Security Dynamics ACE Server, CRyptoLAN (DES), Attachmate Remote Security Adapter, Enigma Logics SafeWord, GDC STEADFAST	RADIUS, Local, TACACS+
Report formats	Text	SNMP MIB elements	None	None	SQL Via SFVRA	csv	Text	(Modems only) dBase III log dump, ASCII delimited, proprietary
Server statistics combined and reported	●	●	●	●	●	●	●	○
<b>Server Features:</b>								
Supports PRI/T1	○/●	●/●	●/●	●	●/●	●/●	●/●	○/●
PRI and T1 on the same card	○/●	●/●	●	●	●/●	●	●/●	○
Maximum number of PRI/T1s in server	2	28	2	2	12	10	2	4

● Yes ○ No

**Enterprise Remote-Access Server Features (continued)**

	Access Beyond AB4400 Remote Access Server	ACC Tigris Integrated Access Platform	Ascend MAX 4048	Bay Networks Model 5399 Remote Access Concentrator	Cabletron Systems CSX7000	Gandalf, a division of Mitel Xpressway RLAN	General DataComm SpectraComm RLN	Multi-Tech Systems CommPlete Communications Server
<b>Server Features: (continued)</b>								
Maximum analog calls	48	248	48	572	144, stackable to 31 servers	120	64	96
Pooling of PRI/T1/modem between multiple servers	○	●	●	○	●	●	●	○
Virtual private network support	○	●	●	●	○	○	○	○
IP address assignment	Per port, DHCP	Pool, RADIUS	DHCP, pool, RADIUS, per port	DHCP, Pool	Pool, DHCP	Pool, per port, DHCP	DHCP, BOOTP, RARP	Pool, per port, DHCP, RADIUS
LAN-to-LAN routing support	○	●	●	●	●	●	○	●
ISDN and asynchronous traffic on the same port	○	●	●	●	●	●	●	○
Protocols supported	IP/IPX, NetBEUI	IP/IPX, AppleTalk, DECnet, BGP4, OSPF	IP/IPX, AppleTalk	IP/IPX, AppleTalk over PPP	IP/IPX, AppleTalk, Multi- Protocol Bridging	IP/IPX, IPX Trunking, IP Spoofing, SPX Spoofing, Bridging	IP/IPX, AppleTalk, NetBEUI, NetBIOS, Banyan VINES, NCP, ARA 1.0/2.0. LLC, CCB, IPC, Named Pipes, DECnet, Digital LAT, Digital LAST, XNS, OSI, 802.2 peer-to-peer	IP/IPX
Protocols autodetected	PPP, SLIP, ARA, CSLIP	PPP	PPP, SLIP, ARA, CSLIP	PPP, SLIP, ARAP	PPP	PPP, Gandalf SL/ML, ML-PPP Ascend's MP+	PPP, ARA	PPP, SLIP
Telnet/ping from server supported	●	●	●	●	●	●	●	○
Dial-out support	○	●	●	●	●	●	●	●
<b>Client Features:</b>								
Client OS	Dos, Win3.X/95/NT	N/A	Dos, Mac, Win3.x/95/NT	N/A	N/A	N/A	DOS, OS/2, Mac, Win3.X/95/NT	N/A
Client license	Unlimited	N/A	Unlimited	N/A	N/A	N/A	Unlimited	N/A
Remote-control client	● (3 user)	N/A	○	N/A	N/A	N/A	●	N/A
IPX stack	●	N/A	○	N/A	N/A	N/A	●	N/A
IP stack	●	N/A	●	N/A	N/A	N/A	Separate	N/A
Dial-back support	●	N/A	●	N/A	N/A	N/A	Fixed, roaming	N/A
Scripting of install	●	N/A	○	N/A	N/A	N/A	●	N/A
Dial-on-demand	●	N/A	●	N/A	N/A	N/A	●	N/A
Iconization of connection	●	N/A	●	N/A	N/A	N/A	●	N/A
Warning of file execution/download across dial-up link	○	N/A	○	N/A	N/A	N/A	●	N/A
Auto reconnect from client	●	N/A	●	N/A	N/A	N/A	●	N/A
Multilink PPP support by client	●	N/A	●	N/A	N/A	N/A	○	N/A
Acceleration software in client	●	N/A	○	N/A	N/A	N/A	via RLN client	N/A
<b>Price:</b>								
Price as shipped	\$16,995	\$75,775	\$30,400	\$51,375	\$75,775	\$46,470	\$45,000	\$62,345
Management software	Included	\$1,895	Included	Included	\$4,995	Included	Included	Included
Client licenses	Included	N/A	Included	N/A	N/A	Security client included	Included	N/A

● Yes ○ No