

Ascend

Ascend MAX 4048 Vs. US Robotics Total Control Hub

Product Description: US Robotics Total Control Hub

USR's Total Control product is a 16-slot modular product that supports up to five dual port T1/PRI modules and up to 12 quad modem modules. The product is designed to support LAN-to-LAN routing for IP and IPX and user-to-LAN via a client application software. With a configuration of four PRI, the Total Control chassis is capable of supporting a maximum of 48 modems.

Modem Port Price Comparison

USR Total Control	Ascend MAX™ 4048
\$920 (48 modem config)	\$550

USR Total Control Weakness	Ascend MAX 4048 Advantages
<p>Not a scalable solution</p> <ul style="list-style-type: none"> • Single product access concentrator solution • No Multilink Protocol Plus, or MultiChassis MP/MPP 	<ul style="list-style-type: none"> • Full line of access concentrator solutions including high-density, carrier-class products • MP+ and MultiChassis MP/MP+ support; MAX Stack maximizes bandwidth availability by enabling multiple MAX WAN access switches to function together as one logical switch for MP and MP+ calls
Proprietary 56K (x2) architecture	<ul style="list-style-type: none"> • Supports Open 56K Forum and Rockwell/Lucent's K56Flex-capable digital modems (Series56™) • Will be compatible with over 70% of the modem market
<p>Limited security features</p> <ul style="list-style-type: none"> • No integrated, dynamic firewall capability • New, limited RADIUS capability; no extensions 	<ul style="list-style-type: none"> • Low-cost, single-vendor security solutions with dynamic, integrated firewall capability • Most comprehensive set of security features including extended RADIUS dictionary (over 120 enhancements)
Occupies significant space	MAX's smaller footprint conserves space
Routing functionality relies on old Livingston code—may not be upgradeable in the future	Investment protection with market proven, in-house code development



Product Comparison

Feature	MAX 4048	USR Total Control
List Price Per Port/Density		
• Modem configuration/box	48	48
• Price/modem@48 modems	\$550	\$920
WAN Connectivity/Bandwidth Management		
• T1	Yes	Yes
• V.34	Yes	Yes
• ISDN PRI	Yes	Yes
• PPP	Yes	Yes
• Hybrid Access™ Option	Yes	NO
• Frame Relay Option	Yes	Yes
• MP	Yes	Yes
• MP+	Yes	NO
• MultiChassis MP	Yes	NO
• MultiChassis MP+	Yes	NO
• Hardware Data Compression	Yes	NO
• IP Multicast	Yes	NO
Security		
• PAP/CHAP	Yes	Yes
• Dynamic Firewall	Yes	NO
• RADIUS	Yes	Yes
• Extended RADIUS	Yes	NO
• Integrated Firewall	Yes	NO
• VPN Tunneling support	Yes	NO
Management and Control		
• Full SNMP MIB Support	Yes	Partial
• Client Software	Yes	Yes
• Modem Round-Robin Allocation	Yes	NO
• GUI configurator	Yes	Yes
Routed Protocol Support		
• IP	Yes	Yes
• IPX	Yes	Yes
• AppleTalk	Yes	NO

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