

Ascend

Ascend MAX 4048 Vs. Cisco AS5200

Product Description: Cisco AS5200

The AS5200 is a three-slot modular access server that is designed to support modems and direct PRI /T1 terminations. It supports IP, IPX and AppleTalk routing for LAN-to-LAN sessions while supporting user network access via a remote client software package. The AS5200 provides one Ethernet, two serial interfaces and two T1/PRI ports with the capability to support up to 48 digital modems.

Modem Port Price Comparison

Cisco AS5200	Ascend MAX™ 4048
\$756* (48 modem config)	\$550
*Includes modem management and additional DRAM cost	

Cisco AS5200 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 • MultiChassis MP requires a separate router 	<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
<p>Not Cisco's core competence</p> <ul style="list-style-type: none"> • Modem technology is not internal—it is loosely integrated from various OEMs • No proven track record with remote access switches 	<p>Proven track record and investment protection: Ascend has the largest installed base of integrated access switches and has been shipping high density access concentrators for over three years. Since 1994, Ascend has installed over 2.2 million digital ports and over 1.5 million digital modems worldwide.</p>
<p>Old modem technology</p>	<p>DSP-based, enhanced modem architecture</p>
<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 solution with dynamic, integrated firewall capability • Most comprehensive set of security features including extended RADIUS dictionary (over 120 enhancements)
<p>Modem management requires purchase of additional software (not part of CiscoIOS)</p>	<p>Modem management functionality is included in MAX software package</p>



Product Comparison

Feature	MAX 4048	Cisco AS5200
List Price Per Port/Density		
• Modem configuration/box	48	48
• Price/modem@48 modems	\$550	\$756*
		*includes modem mgmt software/DRAM
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	Yes
• MultiChassis MP+	Yes	NO
• Hardware Data Compression	Yes	NO
• IP Multicast	Yes	Yes
Security		
• PAP/CHAP	Yes	Yes
• Dynamic Firewall	Yes	NO
• RADIUS	Yes	Yes
• Extended RADIUS	Yes	NO
• Integrated Firewall	Yes	NO
• VPN Tunneling support	Yes	Yes
Management and Control		
• Full SNMP MIB Support	Yes	Yes
• Client Software	Yes	NO
• Modem Round-Robin Allocation	Yes	NO
• GUI configurator	Yes	Yes
Routed Protocol Support		
• IP	Yes	Yes
• IPX	Yes	Yes
• AppleTalk	Yes	Yes

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