



## Choosing IC36000 or IC35160 Series

Asante's IntraCore® family of managed, Layer 2 Gigabit switches includes four models. Here's how they compare to each other.



### CONFIGURATION

To upgrade legacy 10/100 Fast Ethernet switches and hubs, choose IC36480, IC36240 or IC35160-T switches; these switches are ideal for aggregating edge devices, like desktops and printers. In flat networks, with a single subnet, choose the IC35160-G as the backbone switch for extended cable runs using fiber.

	IC36480	IC36240	IC35160-T	IC35160-G
<b>Gigabit Ethernet Ports</b>	48	24	16	16
10/100/1000BaseT	48	24	16	4
Optional Gig Fiber Modules	4 SFP	4 SFP	4 GBIC	16 GBIC
Switching	Layer 2	Layer 2	Layer 2	Layer 2
Rack size (height)	1 U	1 U	1 U	1.5 U
Emergency power	12 VDC, Optional	12 VDC, Optional	12 VDC, Optional	12 VDC, Optional
Target Deployment	Edge	Edge	Edge	Backbone

### PERFORMANCE AND EFFICIENCY

Under typical network loads, all four IntraCore switches will perform similarly. With very heavy traffic, the IC36480 and IC36240 will buffer packets to minimize packet losses and re-transmissions. The IC35160 Series is virtually unaffected by traffic loads; the 32 Gbps switch fabric is non-blocking.

	IC36480	IC36240	IC35160-T	IC35160-G
<b>Switch Architecture</b>	Store-forward	Store-forward	Store-forward	Store-forward
Wire-speed, layer 2	Yes	Yes	Yes	Yes
Fabric speed	80 Gbps crossbar, 4 x 24 Gbps	24-20-24 Gbps	32 Gbps	32 Gbps
Non-blocking	Segmented	Segmented	Yes	Yes
Forwarding MAC table	16 K addresses	16 K addresses	2 K addresses	8 K addresses
Buffers (total)	32 + 4 MB	32 + 2 MB	128 KB	128 KB
Jumbo frames	Up to 9 KB	Up to 9 KB	Up to 32 KB	Up to 32 KB
Rate limiting	Per-port/trunk	Per-port/trunk	--	--
Link aggregation	IEEE 802.3ad and Cisco EtherChannel		IEEE 802.3ad	IEEE 802.3ad
Max. trunks	8	8	4	4
Max. ports/trunk	8	8	4	4

### FEATURES

All four switches provide full support for data/voice/video over Ethernet/IP for VoIP and IP multicasting with IGMP. In flat networks, the IC35160 Series offers significantly greater flexibility with 4x more VLANs.

	IC36480	IC36240	IC35160-T	IC35160-G
<b>Virtual LANs (VLANs)</b>				
Max. VLANs	255	255	1024	1024
Max. VLAN IDs	4K	4K	4K	4K
Private VLANs	Yes	Yes	--	--
802.1v VLAN	Yes	Yes	--	--
GVRP/GARP Registration	Yes	Yes	--	--
IGMP multicast	Yes	Yes	Yes	Yes
Spanning tree	MSTP/RSTP/STP	MSTP/RSTP/STP	STP	STP
Priority queues	8 levels	8 levels	8 levels	8 levels



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