



Streamline your network and improve application response times by upgrading your network to Gigabit with Asante's state-of-art IntraCore 38480 Gigabit Ethernet switches.

Gigabit Performance

Gigabit speeds on every port gives you more bandwidth. CoS and IEEE 802.1p IP precedence allow you to prioritize IP traffic for sensitive applications like VoIP.

For greater bandwidth and improved resiliency, connect up to 8 ports to form a logical 8 Gbps trunk. A total of 12 static (compatible with Cisco EtherChannel) or dynamic (IEEE 802.3ad link aggregation control protocol) trunks are supported.

Robust Security

Use MAC address filters to lock down access to each switch port. Enforce user authentication with IEEE 802.1X using RADIUS or TACACS+ servers.

Advanced Features

The switch supports all the services you'll need for your advanced network.

- Full wire speed, non-blocking
- Support jumbo frame up to 9.2k frame size
- Up to 4000 VLANs
- IGMP v1 and v2 snooping support
- 12 groups of trunking, and up to 8 ports per trunk for link aggregation and resiliency
- 802.3ad LACP(Link Aggregation Control Protocol) support
- IEEE 802.1d and 802.1w spanning tree support with rapid reconfiguration; 802.1s multiple spanning tree support
- 8k MAC Address support
- 802.1p Quality of Service
- 750KB internal MAC buffer
- Broadcast Storm Control
- 802.1Q double tagging support
- 802.1x Port Access Control support
- Emergency backup. Redundant Power Supply provides optional redundant power



SPECIFICATIONS

Ports

Gigabit Ethernet:	48 x 10/100/1000BaseT Gigabit Ethernet ports with Auto-Uplink: RJ-45 shielded connectors
Combo Ethernet Port:	Last 4 ports, port 45-48, are combo. RJ-45 shielded connectors or 1000BaseX Gigabit Ethernet ports: SFP Mini-GBIC
Console:	Serial RS232: DB9 Male or USB

Status Indicators

Power:	System is on (green)
Fan:	Fans are working properly (green)
EPS:	Emergency Power Supply (green)
Per Gigabit Port:	Link/Activity, Speed

Performance

Efficiency:	Wire-speed Gigabit switching (1,488,000 pps)
Switch Architecture:	Non-blocking 96 Gbps switch fabric
Flow Control:	IEEE 802.3x flow control (full duplex) and back pressure (half-duplex)
Forwarding MAC Table:	Up to 8K uni-cast addresses with automatic learning and aging
Jumbo Frames:	Up to 9k
Packet Buffer:	750 KB

L2+ Switching

Virtual LANs:	IEEE 802.1Q, 4000 VLANs
Spanning Tree:	IEEE 802.1d (STP), IEEE 802.1s (multiple), IEEE 802.1w (rapid reconfiguration)
Flow Control:	IEEE 802.3x
Link Aggregation:	IEEE 802.3ad, LACP, up to 12 trunks, maximum 8 ports per trunk
Authentication:	IEEE 802.1x per port access control
Quality of Service:	IEEE 802.1p, DiffServ and IP ToS
IGMP Snooping:	Internet Group Management Protocol for managing multicast service

Management

In-Band:	Choose from web (HTML, HTTPS), SNMP v1/v2/v3, RMON and Telnet with Cisco-like command line interface (CLI) for up to 4 sessions.
Out-of-band	Console port (either RS232 or USB) with Cisco-like command line interface (CLI)
Mirror:	Monitor any port from any port (at the same speed)
SNTP	Simple Network Time Protocol config and time zone setting
Firmware:	Dual banks of operational and configuration code saved to flash memory

Physical

Dimensions and Weight:	17.3 x 9.9 x 1.7 inches (440 x 253 x 43.2mm) and 9.5 lb (4.3 Kg)
Mounting:	Desktop or rack (rackmount kit included); 1U height
Operating Conditions:	32° to 104° F (0° to 40° C) with 10% to 90% non-condensing, relative humidity
Power:	Internal universal switching, 100-240 VAC, 50/60 Hz
Power Consumption:	Max. 150W

Standards Compliance

IEEE:	IEEE 802.1D spanning tree and bridge filters IEEE 802.1p prioritization (class of service) IEEE 802.1Q virtual LAN (VLAN) IEEE 802.1s multiple spanning tree protocol IEEE 802.1w rapid reconfiguration spanning tree protocol IEEE 802.1x port authentication IEEE 802.3ad link aggregation control protocol IEEE 802.3x full duplex and flow control IEEE 802.3z 1000BaseSX over 50 micron multi-mode fiber; maximum distance 1,804 feet (550 meters) IEEE 802.3ab 1000BaseT over Category 5 UTP (4 pairs); maximum distance 328 feet (100 meters) IEEE 802.3u 100BaseTX over Category 5 UTP (2 pairs); maximum distance 328 feet (100 meters)
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IEEE 802.3 Ethernet, 10BaseT over Category 3 UTP (2 pairs); maximum distance 328 feet (100 meters)

IETF:

- RFC 792 ICMP
- RFC 826 ARP
- RFC 1112 IGMP
- RFC 1155 SMI
- RFC 1157 SNMP
- RFC 1213 MIB II (system, interfaces, ip, icmp, tcp, udp and snmp groups)
- RFC 1215 trap
- RFC 1492 terminal access controller access system (TACACS)
- RFC 1493 trap
- RFC 1493 bridge MIB (4 groups)
- RFC 1517 SNMP over UDP/IP
- RFC 1541 DHCP
- RFC 1757 RMON
- RFC 2021 RMON II probe configuration group
- RFC 2030 simple network time protocol
- RFC 2236 IGMP v2
- RFC 2674 bridge MIB extension (P-bridge, Q-bridge)
- RFC 2742 extensible SNMP agent MIB
- RFC 2819 RMON groups 1, 2, 3 and 9 (statistics, history, alarm and events)
- RFC 2865 RADIUS
- Asanté Private MIB

Safety:

- UL

Emissions:

- FCC Class A, CE

Support

Technical Support: 24-hour support via web and ftp. 90-day email and telephone support
 Product Warranty: 3-year limited product warranty covers defects in manufacturing and workmanship

ORDERING INFORMATION

Model Name*	Description
IntraCore IC38480	48 port Layer 2+ Gigabit Ethernet Switch
IC36-EPS12	External 12-Volt Emergency Power Supply
SFP M1000SX	1000BaseSX SFP MiniGBIC module, duplex LC connector
SFP M1000LX	1000BaseLX SFP MiniGBIC module, duplex LC connector
SFP M1000LZ	1000BaseLZ SFP MiniGBIC module, duplex LC connector

* For international part numbers, please refer to the Asante price list.



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