



The IntraCore 3524 Series is a family of workgroup 10/100 Fast Ethernet switches with flexible, modular uplinks. Tailor this IntraCore switch with your choice of Gigabit Ethernet (GBIC, 1000BaseT, 1000BaseSX) or Fast Ethernet (100BaseFX single-mode, 100BaseFX multi-mode) to precisely match your network needs.

- Start with a **base configuration** of a 24-port 10/100 switch and 2 option slots.
- Choose from **5 different modules** for Gigabit or Fast Ethernet, copper or fiber.
- Deploy multimedia services (voice, video, audio, telephony) throughout your network with **multi-service** technologies: IP multicast with IGMP, multiple priority queues and 64 VLANs.

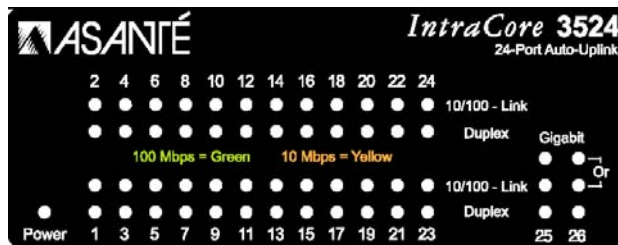
Add additional IntraCore 3524 switches to service more ports. Asante management architecture simplifies network administration with your choice of telnet, SNMP or web browser interfaces over in-band Ethernet or out-of-band serial communications.

## FEATURES AND BENEFITS

- Single-Chip Layer 2 Switch:** Forwarding rate of 9.5 million packets per second at full wire speed over all network interfaces in a unit  
 6.4 Gbps switch fabric minimizes blocking and latency  
 Coupled to embedded PowerPC RISC processor to handle advanced features  
 Runs cooler and more reliably than older, multi-chip designs
- Extensible Platform:** Choose from 3 popular configurations—or custom configure the switches for your network  
 Run fiber at 100 Mbps (100BaseFX) or 1000 Mbps (1000BaseSX)  
 Run standard Category 5 UTP copper cables up to 100 meters at 1000 Mbps (1000BaseT)
- Multi-Services for Multimedia:** Multiple priority queues ensure mission critical applications get the bandwidth and priority they need; 4 transmit queues per 10/100 port and 8 queues per gigabit port  
 Throughput is maintained—even under heavy traffic conditions  
 Internet group management protocol (IGMP) optimizes multicast bandwidth by allowing multicast traffic only to registered users; minimizes denial of service attacks from unknown sources
- Virtual LANs:** Logically organize nodes into 64 VLANs compliant with IEEE 802.1Q with VLAN Tagging  
 Overlapping VLANs are ideal for sharing and segmenting traffic and security
- Total Cost of Ownership:** Lowest acquisition cost for an enterprise-grade, workgroup switch  
 Comprehensive 3-year warranty and support



Graphically monitor your network by using the software tools built into the IntraCore 3524



Multi-colored LED status indicators clearly display comprehensive network conditions

## SPECIFICATIONS

### Overview

Connectors:	Fast Ethernet with Auto-Uplink™ (100BaseTX, 10BaseT): RJ-45 Console: Serial (RS-232): DB9
Expansion:	2 front-mounted IC35 slots for Gigabit or Fast Ethernet (copper or fiber) Optional Fast Ethernet (100BaseFX): SC fiber connector Optional Gigabit Ethernet with Auto-Uplink (1000BaseT, 100BaseTX, 10BaseT): RJ-45 Optional Gigabit Ethernet (1000BaseSX): SC fiber connector Optional Gigabit Ethernet Interface Converter: GBIC garage
Status Indicators:	Separate link-activity, speed (10/100/Gigabit) and duplex (full or half) LEDs for each port; system power

### Management Features

Graphical User Interface:	HTML browser-based with password protection for local and remote management
Command Line Interface:	Menu-driven telnet or out-of-band via front panel console port
Front Panel:	Graphical representation of unit with real-time network status
General Information:	Software version, dual firmware banks; admin, system and bootstrap info; switch address and uptime system clock
Statistics:	User-configurable graph types (bar chart, line chart, table); counters (since up, rate, since reset) for RX/TX/Error for each port and unit. Table view also shows current, peak average and total packets for each port
Port Configuration:	State (forwarding, blocking), status (enabled, disabled), link status (up, down) and mode (speed, duplex); auto negotiation, flow control, priority and security. Detailed statistics include TX counters (total frames, total bytes, dropped frames), RX counters (total frames, total bytes, unicast, non-unicast), frame counters (multicast, broadcast, by packet sizes), collisions and errors (undersized, oversized, CRC/alignment, fragments, FCS, late events, total)
Spanning Tree:	Displays bridge ID, designated root, root port, root port cost, hello time, maximum age and forward delay; ports individually configurable for STP parameters (priority, path cost)
SNMP:	Separate read and write communities, and trap authentication; 4 configurable trap receivers (IP address and community)
Address Table:	Per-port counts for MAC and IP addresses; integrated utilities to sort or search for specific IP or MAC addresses; address table shows unit, port, entry (dynamic, static or multiple), IP address, MAC address and VID
VLAN:	Configurable PVID, frame type and ingress filtering
RMON:	Embedded remote monitoring supports four groups (history, statistics, alarms and events)
Security:	Configurable per-port security with programmable action (e.g., new node detection trap) and trusted MAC address
Supported OS:	Windows 95/98/Me/NT/2000/XP, Mac OS 9/X and Linux
Other:	Integrated utilities to detect duplicate IP addresses (port, owner MAC address, IP address and spoofer MAC address)

### 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 802.3x 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) IEEE 802.3 10BaseT over Category 3 UTP (2 pairs); maximum distance 328 feet (100 meters)
IETF:	RFC 1155 SMI RFC 1757 RMON RFC 1157 SNMP RFC 1493 Bridge MIB RFC 1213 MIB II Asanté Private MIB
Safety:	UL 1950, CUL, TUV/GS,
Emissions:	FCC Class A, CE

### Physical

IntraCore 3524:	17.5 x 10.0 x 1.8 inches (390 x 220 x 39 mm), 8.0 lbs (3.6 Kg); rackmountable (kit included) or desktop
IC35 Modules:	2.19 x 3.63 x 1.19 (56 x 92 x 30 mm), 0.13 lbs (0.06 Kg)
Power:	Auto-switching, 110/240 VAC, 50/60 Hz; grounded IEC cord
Operating Temperature:	32° to 104° F (0° to 40° C)
Relative Humidity:	10% to 90% non-condensing

## Support and Warranty

Technical Support: 24-hour support via web and ftp. 3-year email and telephone support  
Product Warranty: 3-year product warranty covers defects in manufacturing and workmanship  
Product Updates: Free download of maintenance releases from asante.com website

## Packing List

Product: IC3524-XX switch  
Localized Power: Grounded 3-wire power cord  
Documentation: Quick Start Guide (printed)  
CD-ROM: User's Guide (PDF) and other documentation

## ORDERING INFORMATION

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Model*	Description
IC3524 Base	24-port 10/100 managed switch with 2 available slots
IC3524-2G	24-port 10/100 managed switch with 2 1000BaseX GBIC slots
IC3524-2T	24-port 10/100 managed switch with 2 ports of 10/100/1000BaseT
IC35-GBIC	1000BaseX GBIC module
IC35-1000T	10/100/1000BaseT switch port module
IC35-1000SX	1000BaseSX switch port module
IC35-100SMFX	100BaseFX single-mode fiber port switch module
IC35-100MMFX	100BaseFX multi-mode fiber port switch module

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



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