



The IntraCore 3500 Series is Asanté's most powerful, flexible family of workgroup switches. Tailor this IntraCore switch with hardware and software to precisely match your network needs—today and in the future.

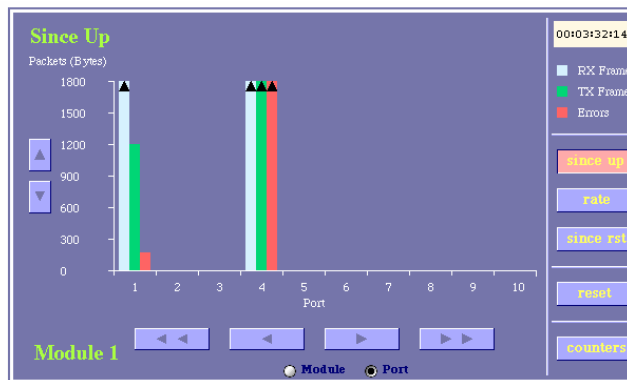
Highlights

- Start with a base configuration of a 48-port 10/100 switch.
- For 10/100 desktop connection, your cost of ownership is reduced considerably over using multiple 24 port 10/100 switches
- Choose from 2 different auto-selecting Gigabit Ethernet uplink's
 - Dual copper (fixed RJ45) 10/100/1000BaseT
 - Or
 - Dual GBIC holders for Gigabit over fiber (requires appropriate GBIC transceiver).
- Deploy QOS schedules and priorities (voice, video, audio, telephony) throughout your network with multi-service technologies: IP multicast with IGMP, IEEE 802.1p queues and 64 VLANs.
- Choose telnet, SNMP or web browser interfaces over in-band Ethernet or out-of-band serial communications.
- Emergency backup, Redundant Power Supply provides optional 12VDC redundant power.



FEATURES AND BENEFITS

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|----------------------------------|---|
| Dual-Chip Layer 2 Switch: | Forwarding rate of 19 million packets per second at full wire speed over all network interfaces in a unit 12.8 Gbps switch fabric (per unit) 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 2 popular Gigabit configurations with auto-selectable switching Run multi-mode or singlemode fiber 1000 Mbps (1000BaseSX/LX) using GBIC transceivers Run standard Category 5 UTP copper cables up to 100 meters at 1000 Mbps (1000BaseT) |
| Quality of Service: | Multiple priority queues ensure mission critical applications get the bandwidth and priority they need: <ul style="list-style-type: none"> - 4 transmit queues per 10/100 port - 8 queues per gigabit port - Priority allocated on a port basis using Weighted Fair Queue (WFQ) - 2 packet dropping criteria using Weighted Random Early Detect (WRED) Throughput is maintained—even under heavy traffic conditions |
| Multicast support: | 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 IntraCare: Free technical support and advanced warranty support for 3 years. Includes free telephone support, 24-hour support via web and ftp, complete product warranty with 2nd business day (within US) advanced replacement and software maintenance agreement. AsanteCare: Optional extended technical support and product warranty for additional years. |



Graphically monitor your network by using the software tools built into the IntraCore 3548



Dual-state status indicators clearly display Link/Speed or Duplex/Activity for each port

SPECIFICATIONS

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|--------------------|---|
| Connectors: | Gigabit Ethernet with Auto-Uplink™ (10/100/1000BaseTX): RJ-45 Console: Serial (RS-232): DB9 |
| Expansion: | 4 front-mounted ports for 2 x GBIC or 2 x 1000BaseT copper RJ45 (Auto Switching between each pair GBIC/1000T) |
| Status Indicators: | Separate link-activity, speed (10/100/Gigabit) and duplex (full or half) LEDs for each port; system power |

Management Features

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|---------------------------|--|
| 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: | 64 VLAN's supported. Configurable PVID, frame type and ingress filtering |
| QoS: | IEEE802.1D/p/Q standards – 4 queues per 10/100 port, 8 queues on Gigabit ports |
| 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 utility to detect duplicate IP addresses (port, owner MAC address, IP address and spoofer MAC address) |

Physical Characteristics

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|------------------------------|---|
| IntraCore 3548: Mounting: | 435mm x 257mm x 41mm (17.125" x 10.125" x 1.625") , 8.0 lbs (3.6 Kg) Install into a standard 19-inch rack (1 RU height) or placed on a desktop; rackmount kit and rubber feet included |
| IC35 Modules: | 2.19 x 3.63 x 1.19 (56 x 92 x 30 mm), 0.13 lbs (0.06 Kg) |

Environmental Range

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| Operating Temperature: | 32° to 104° F (0° to 40° C) |
| Relative Humidity: | 10% to 90% non-condensing |
| Power: | Auto-switching, 110/240 VAC, 50/60 Hz; grounded IEC cord |
| Redundant DC Power: | 12 VDC Auto switching from main 110/240 VAC for emergency backup |

Standards Compliance

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| 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: Emissions: | UL 1950, CUL, TUV/GS, FCC Class A, CE |

APPLICATIONS

Technical Support and Warranty

IntraCare™:

IntraCare: Free technical support and advanced warranty support for 3 years. Includes free telephone support, 24-hour support via web and ftp, complete product warranty with 2nd business day (within US) advanced replacement and software maintenance agreement.

AsanteCare:

Optional extended technical support and product warranty for additional years.

ORDERING INFORMATION



| Model | Description | Asanté Part Number* |
|--------------------|---|---------------------|
| IntraCore 3548-2GT | 48-port 10/100 managed switch with 2 1000BaseT/GBIC slots | 99-00663-01 |
| IC35-EPS12 | Emergency Redundant Power Supply, 12 VDC for IC3548 | 99-00777-01 |
| Accessories | | |
| GBIC 1000SX | 1000BaseSX GBIC multimode SC connectors | 99-00549-01** |
| GBIC 1000LX | 1000BaseLX GBIC multimode 1km/singlemode 10km | 99-00550-01** |
| GBIC 1000TP | 1000BaseT GBIC (RJ45) 100 metres, plastic shell | 99-00647-07** |
| GBIC 1000T | 1000BaseT GBIC (RJ45) 100 metres, metal shell | 99-00673-01** |

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

**See GBIC datasheet and Asanté price list for GBIC price bundles.



47709 Fremont Blvd, Fremont, CA 94538 USA · Phone 408.435.8388 · Website www.asante.com

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