SMC Networks' TigerSwitch 10/100 SMC6726AL2 is a high performance managed Layer 2 auto-sensing 10/100BASE-T switch that provides an ideal solution for high density Enterprise applications. With (24) 10/100BASE-T Ethernet ports, and (2) combo 10/100/1000BASE-T/SFPs (mini-GBIC) slots, the SMC6726AL2 is designed to meet the needs of the most demanding departmental and enterprise connectivity applications requiring a high density, low profile solution.

The SMC6726AL2 supports full-duplex wire-speed forwarding, 8000 MAC addresses, Up to 255 VLANs, and the ability to prioritize traffic into (4) priority queues. The SMC6726AL2 can be used as a cost effective high density wiring closet solution or a high performance backbone aggregation device.

The TigerSwitch 10/100 (SMC6726AL2) looks to address today's diverse business and IT requirements through its robust support of standards-based network management protocols (CLI/SNMP/RMON/BOOTP/Telnet/Web) and port mirroring. By supporting standards-based network management protocols, the SMC6726AL2 can be easily integrated into most third-party network management products.

The SMC6726AL2 brings advanced Enterprise functions to a new level of affordability without compromising advanced features like: 802.3ad (link aggregation) 802.1x* (authentication), QoS/CoS, Multicast, VLANs, Port Trunking and Network Management. These features facilitate the deployment of business critical applications across an Enterprise, including: VOIP, streaming media, and multicast content delivery (IP video, software deployment...etc).

### FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
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<tbody>
<tr>
<td>QoS</td>
<td>Support four levels of priority, with weighted fair queuing and L2/3/4 IP precedence—ensures smooth transmission of mission critical data</td>
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<tr>
<td>VLAN with GVRP</td>
<td>Support VLANs based on frame tags or ports, plus support for automatic GVRP LAN registration spanning tree per VLAN—provides maximum security and bandwidth efficiency</td>
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<td>IGMP Snooping</td>
<td>Only allows IP Multicast traffic transmission to the registered members, resulting bandwidth savings—reduce IP multicast traffic and increase LAN performance</td>
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<td>MultiLink Trunking with LACP</td>
<td>Can group links between switches to provide higher bandwidth of up to 800Mbps—increase B/W for dedicated link</td>
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<tr>
<td>Comprehensive security support</td>
<td>Currently supports RADIUS, IEEE802.1x, SSH, SSL,TACACS+, ACL</td>
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TECHNICAL SPECIFICATIONS

SMC6726AL2

PORTS
• 2 Gigabit Combo Ports (RJ-45/ SFP)
• 2 1000BASE-T (RJ-45)
• 24 10BASE-T/ 100BASE-TX (RJ-45)
• Auto-MDIX on RJ-45 ports
• 2 No. of slots for Mini-GBICs (SFP)

PERFORMANCE
• 8 MAC Address Table Size (K)
• 4 Packet Buffer Size (MB)
• 8.8 Switch Fabric (Gbps)
• 6.6 Throughput (Mpps)

layer 2 features
• Link Aggregation, 802.3ad
• 4 groups 8 ports
• 255 VLANs
• VLAN Tagging, 802.1Q
• Private VLAN
• Protocol-based VLANs, 802.1v
• GVRP
• Spanning Tree, 802.1d
• Rapid Spanning Tree, 802.1w
• Multiple Spanning Tree, 802.1s
• Broadcast Storm Control
• Full Duplex Flow Control (802.3x)
• IGMP Snooping
• Jumbo Frames 9K
• HOL Blocking Prevention

QUALITY OF SERVICE
• Rate Limiting (Ingress/ Egress)
• WRR (Weighted Round Robin)
• Strict Priority
• 4 802.1p Priority queues
• IP precedence-based
• TCP/UDP Port-based

 MANAGE MENT FEATURES
• Industry standard CLI
• Web Management
• Telnet
• Remote Ping
• Dual Firmware Images
• Configuration Download/ Upload
• SNMP
• RMON (Groups, 1, 2, 3, 9)
• DHCP
• Event/ Error Log

SECURITY
• Static port security
• IEEE802.1x
• ACL (Access Control Lists)
• RADIUS Authentication
• TACACS+ Authentication
• HTTPS and SSL (Secured Web)
• SSH v1.5/ 2.0 (Secured Telnet)
• Username/Password Authentication

COMPLIANCES
• CE

EMISSIONS
• FCC Class A
• Industry Canada Class A
• EN55022 (CISPR 22) Class A
• VCCI Class A

SAFETY
• CSA/NRTL (CSA 22.2.950 & UL 1950)
• EN60950 (TÜV/ GS)

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