

Network Switch - Summary

Summary:

- ❑ 3GPP 및 IETF 표준 기반
- ❑ 고성능 IPsec throughput (100Gbps 이상)
- ❑ 높은 확장성의 ATCA 플랫폼 및 COTS 서버 플랫폼 제공
- ❑ Carrier-Grade의 가용성 제공
- ❑ IPv4 및 IPv6 제공
- ❑ Multiple Authentication 제공



Part :

- ❑ **LAN9500A**
 - ❑ Single-chip, Hi-Speed USB 2.0 to 10/100 Ethernet controller
 - ❑ $\pm 8\text{kV}$ HBM and $\pm 15\text{kV}$ air discharge ESD protection
 - ❑ Requires only a single 25MHz crystal
 - ❑ EEPROM-less design option helps to reduce BOM costs
 - ❑ Supports numerous power management features including Wake-On LAN, Magic Packet™ and Link Status Change
- ❑ **93AA56**
 - ❑ 2K Microwire Compatible Serial EEPROM
 - ❑ 1,000,000 Erase/write Cycles
 - ❑ Data Retention > 200 Years
- ❑ **KSZ9897**
 - ❑ 7-Port Gigabit Ethernet Switch with SGMII/RGMII/MII/RMII
 - ❑ Non-blocking wire-speed Ethernet switching fabric
 - ❑ Full-featured forwarding and filtering control, including Access Control List (ACL) filtering
 - ❑ IEEE802.1X support (Port-Based Network Access Control)
 - ❑ IEEE802.1Q VLAN support for 128 active VLAN groups and the full range of 4096 VLAN IDs
 - ❑ IEEE802.1p/Q tag insertion or removal on a per port basis and support for double-tagging

Network Switch - Block Diagram

