



## ***Product type: Sepitam-FS208F-DG***



### **Description:**

**Sepitam-FS208F-DG** presents a new compact, high-performance switch that features eight Gigabit ports and 18 -Gigabps Ethernet switching capacity. The small size and high performance non-blocking switching make this core switch suitable for top-of-rack (ToR) deployment in data centers or enterprise and campus aggregation network environments. Eight ports of high-performance Gigabit Ethernet and legacy Fast Ethernet with optional Small Form-factor Pluggable (SFP) transceivers supports both fiber and copper connections. Using appropriate SFP modules, makes this switch applicable in high performance optical networks. Additionally, it has two port LAN 10/100/1000 to connect and utilize as next up-link. **Sepitam-FS208F-DG** is a highly integrated solution ideally and thoroughly suited for standalone Gigabit Ethernet optical switches and Gigabit fiber optic control plane and telecommunication backplane applications.

### **Specification**

- ◆ Fast performance with up to 18Gbps switching capacity
- ◆ 8 SFP based 1Gbps ports
- ◆ Two LAN 10/100/1000 as next up-link
- ◆ Supports up to 4k unicast MAC addresses
- ◆ Supports MAC-based port aggregation (trunking)
- ◆ Full-duplex (802.3x) and half-duplex options support
- ◆ Supports automatic address learning and aging
- ◆ Low power 0.13 um 1.2 V CMOS core: <1.5W Pd.
- ◆ Fan less operation support
- ◆ Port-based rate control feature with 64kbps granularity

### **Advantages**

- ◆ Enables a new generation of lower-cost switches with Gigabit Ethernet connectivity and much smaller form factors.
- ◆ Uses field-proven industry-standard Gigabit Ethernet SerDes which lowers overall system interoperability and reliability risks.
- ◆ Creates the most cost-effective Gbps optical switch network.
- ◆ CPU is not required to initialize and run in cost-sensitive unmanaged applications, providing true plug-and-play connectivity.
- ◆ SGMII interfaces ensure superior EMI performance and lowest possible number of required board layers while enabling connections to industry-standard physical layer devices (e.g., BCM5464R)
- ◆ Lowest possible system cost through minimized number of external components.
- ◆ Higher system reliability and noise reduction due to fanless design.



# Technical Specification of

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