L2 FE Switch

Dasan Networks has fast become a global leader in delivering high-speed network and access solutions around the world. Dasan Networks proudly provides industry-leading metro, access and customer premise solutions that enable high-speed data, voice, video, and wireless service delivery over existing and emerging fiber and copper networks.

Dasan Networks' complete family of ONTs and customer premise devices offer the network operator a choice of access technologies (G-PON, E-PON, Active Ethernet, xDSL) to customers with next generation services to add subscribers and increase revenue.

DASAN Networks' V2824 is a 1 RU L2 Fast Ethernet switch opmized for expanding networks. The V2824 provides 24 10/100Base-TX subscriber ports for high-speed data services. The uplink interface unit choices are G-PON or GbE, either 1000Base-X SFP/GBIC or 10/100/1000Base-T RJ-45.

The V2824 provides a compelling solution for network operators to extend GbE services to small businesses and Multi-Dwelling Units (MDU). Coupled with the G-PON uplink interface, this solution is a very cost-effective solution for adding business subscribers.

Dasan's PON technology adds new features targeted to improve performance, interoperability, services, support for new applications, and deployment scenarios.

Wire-rate Speed Product
• 24 FE ports
• Up to 5Gbps uplink via 2 G-PON connections
• No speed degradation by packet size

Advanced Packet Handling Technology
• L2/L3/L4 Traffic classification/Priority management
• Diverse QoS mechanisms (SP/WRR/DRR)
• Multicast Support for IP-TV : IGMPv2/v3
• IPv6 Hardware Ready Platform

Reliable Management Security Features
• SNMPv2/v3 with RMON, Alarms
• DoS resilient platform: Broadcast/Multicast storm control
• Authentication by RADIUS, 802.1x
• ARP Inspection to limit IP address per port

L2 Fast Ethernet Switch V2824

• Specification

Switching Capacity	13Gbps	Console	1 port Console (RS232)
Throughput	6.5Mpps	Power Voltage	DC type : -48/60VDC AC type : 100-240VAC, 50/60Hz
Flash Memory	32MB		
SDRAM	128MB	Power Consumption	22.5W
Service Interface	24 port 10/100Base-TX (RJ45)	Operating Temp.	32 ~ 122 °F (0 ~ 50°C)
2 Slots for Optional Uplink Interface	1 port G-PON (SC/APC type) 1 port 1000Base-X (SFP or GBIC) 1 port GTX (10/100/1000Base-T, RJ45) 1 port E-PON (SC/PC type)	Storage Temp.	-40 ~ 158 °F (-40 ~ 70°C)
		Operating Humidity	0 to 90 % (non-condensing)
		Dimensions (W x H x D)	17.3 x 1.7 x 9.5 in (440 x 44 x 242 mm)
		Regulatory Compliance	UL, FCC Part 15, *NEBS Level 3 compliant, *RUS acceptance (* Available in 2011)

• Functionality

L2 Features	16K MAC address entries 4K VLANs Jumbo frame 9K support Ethernet Ring Protection (ERP) Spanning tree (STP/RSTP/MSTP) 802.3ad Link aggregation Port mirroring	Security	SSHv1/v2 User authentication for user ID/password RADIUS, TACACS+ authentication Ethernet type / L4-based ACL (Access Control List)
QoS	Rate limiting per port Traffic scheduling (SP, WRR, DRR) 4 queues per port	Multicast	IGMPv1/v2/v3 IGMP snooping Multicast VLAN Registration (MVR)
		Management	Serial/Telnet (CLI) SNMPv1/v2/v3 RMON

• Sample Configuration

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