SIGNAMAX
NETWORK SOLUTIONS

Product Specifications

C-530 Series 12 Port SFP+ 10G Switch

- Cost-effective, reliable, and secure 10G aggregation switch
- Non-blocking switch with 248Gbps bandwidth support
- 8 dedicated QoS queues for converged voice, video, and data applications
- Integrated mounting brackets for rack installation
- SFP+ 1/10G interfaces
- Static IP routing and built-in DHCP Server
- IEEE 1588v2 Precision Time Protocol(PTP) and G.8032v2/Y.1344 - Ethernet Ring Protocol Switching (ERPSv2)
- 5 year hardware warranty & support at no additional cost

SPECIFICATIONS

PERFORMANCE

Switching Capacity: 248Gbps
Forwarding Rate: 184.512Mpps
32K MAC Addresses
32Mb Packet Buffer
Supports 10K Jumbo Frames
Wirespeed forwarding
IPv4/IPv6 Dual Protocol Stack

PORTS

SFP+ Ports: 12 x 1/10G
RJ45: 4 x 10/100/1000

LAYER 3

Static routes
DHCP Server/Client/Relay/Option 82

SECURITY

Port Isolation
Storm Control
Broadcast/Multicast/Unknown Storm Control
Up to 512 Access Control Lists (ACL) based on L2/L3/L4
Port Security
MAC Authentication
Dynamic ARP Inspection
AAA (IEEE 802.1X RADIUS/TACACS+)
IP Source Guard
DHCP Snooping
Encrypt switch access with SSH and SSL

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ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SC53010	C-530 Series 12 Port SFP+ 10G Switch
AC30040	C-530 Series Console Cable
AM30170	Spare Rack Mount Kit for SC53010/SC53080

SFP MODULES

PART NUMBER	DESCRIPTION
065-80SR10G300M	10G SR SFP+ Module 850nm LC/MM, 300 m
065-80LR10G10KM	10G LR SFP+ Module 1310nm LC/SM, 10 km
AS50010	10GBASE-T SFP+ Copper Transceiver
065-79SXMG	1000SX Multi-Mode SFP Module 850nm up to 550m
065-79LXMG	1000LX Single-Mode SFP module 1310nm up to 10km
065-79ZXMG	1000ZX Single-Mode SFP Module 1550nm up to 80km
065-791000TTXMG	10/100/1000TX SFP Module 100m span

For a complete list of SFP Modules visit www.signamax.com.

SPECIFICATIONS

LAYER 2

SFP ports support 802.3z (1000SX/LX/LHX/ZX) and 802.ae (10GBase)
IEEE 802.3x Flow Control
Spanning Tree:
- IEEE 802.1D Spanning Tree Protocol (STP),
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP),
- IEEE 802.1s Multiple Rapid Spanning Tree Protocol (MSTP,64 instances)
- BPDU Filter/Guard
- BPDU Forward
- Root Guard

Up to 4094 IEEE 802.1Q (802.3ac) VLANs:
- Port-Based/MAC-Based/Protocol-Based(IEEE 802.1v)
- Guest VLAN
- Auto Voice VLAN
- Dynamic VLAN Assignment

802.3ad Link Aggregation (static and LACP)
Multicast:
- IGMP v1/v2/v3 snooping
- IGMP Filtering/Throttling:
- IGMP Queries
- IGMP Immediate leave
- MLD Snooping

IEEE 802.1AB LLDP/LLDP-MED
IEEE 802.3az Energy Efficient Ethernet
ITU-T G.8032v2/Y.1344 - Ethernet Ring Protection Switching (ERPSv2)

QoS

Rate Limiting (Ingress/Egress Port-Based)
Priority Queues Schedule (WRR/Strict Priority/Hybrid QoS)
Port-Based QoS
IPv4/IPv6 DSCP
DiffServ
Auto VOIP
8 HW Queues per port for 802.1p priority tagging

MANAGEMENT

Web-based Graphical User Interface (GUI)
Industry-standard CLI (Telnet/SSH) with context-sensitive help
Console management port on the front panel for ease of access
Comprehensive SNMP MIB support for standards based device management
Dual Image/Configuration
RMON (groups 1,2,3 and 9)
NTP
IEEE 1588v2 Precision Time Protocol (PTP)
SNMP v1/v2/v3

DIAGNOSTIC TOOLS

Cable Test
Digital Diagnostic Monitoring (DDM) on SFP Ports
Ping polling for IPv4 and IPv6
TraceRoute for IPv4 and IPv6
Port Mirror (Many to One)
Event/Error Log/Syslog/SMTP Alerts
SFlow

ELECTRICAL CHARACTERISTICS

Power Supply AC Input: 100 - 240 V AC, 50/60 Hz
Max Power Consumption: 26W

PHYSICAL CHARACTERISTICS

Dimensions: 13 x 8.3 x 1.7 in (33 x 21 x 4.4 cm)
Weight: 5.32 lb (2.41kg)

ENVIRONMENTAL REQUIREMENTS

Operating Temperature: 32 to 122°F (0 to 50°C)
Storage Temperature: -40 to 158°F (-40 to 70°C)
Operating/Storage Humidity: 10 to 90% (non-condensing)

CERTIFICATIONS

Emissions: CE Mark: EN 55022, Class A; FCC Part 15 Class A
Immunity: IEC 61000-3-3, 61000-4-2/3/4/5/6/8

WARRANTY

Five Years (Including power supply)

KEEPING YOUR WORLD CONNECTED

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