

Product Specifications

C-530 48 Port 1440W PoE+ Switch with 4 SFP+ 10G Ports



- Dual hot-swappable power supplies for total PoE budget of 1440W
- Non-blocking switch with 176Gbps bandwidth support
- 8 dedicated QoS queues for converged voice, video, and data applications
- Integrated mounting brackets for rack installation
- SFP+ 100/1/10G 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: 176Gbps
Forwarding Rate: 130,944Mpps
32K MAC Addresses
32Mb Packet Buffer
Supports 10K Jumbo Frames
Wirespeed forwarding
IPv4/IPv6 Dual Protocol Stack

PORTS

SFP+ Ports: 4 x 100/1/10G
RJ45: 48 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

PoE

PoE Budget: 1440W
Supports IEEE 802.3af/802.3at on each port
PD Keep Alive
PoE Scheduling

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SC53020	C-530 Series 48 Port 1440W PoE+ Switch with 4 SFP+ 10G Ports
AP50040	Spare power supply for SC53020
AC30040	C-530 Series Console Cable
AM30180	Spare Rack Mount Kit for C-530 48 and 24 Port Switches

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 IEEE 802.3u (100FX),
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: 1840W

PHYSICAL CHARACTERISTICS

- Dimensions: 17.3 x 15 x 1.7 in (44 x 38 x 4.4 cm)
- Weight: 14.12 lb (6.40 kg)

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)