



Anue 5288 Net Tool Optimizer™

40G-Capable High-Density Network Monitoring Switch



Product Specifications

■ OVERVIEW

Advancements in virtualization and server technologies have made 10G Ethernet commonplace in large enterprise data centers, and the transition to 40G Ethernet is not far behind. The Anue 5288 Net Tool Optimizer™ (NTO), the highest-density network monitoring switch in the 5200 NTO series, provides up to 64 10G ports or up to 16 40G ports in a compact 2U form factor. The Anue 5288 NTO aggregates data from multiple visibility points in a network and ensures the delivery of critical network traffic to the essential monitoring tools.

The Anue 5288 NTO helps large enterprises monitor an increasing number of 1G, 10G and 40G ports with their existing monitoring tools. By enhancing the performance of the network and security monitoring tools, companies can improve network performance, increase operation team productivity and reduce the risk of network outages.

The Anue 5288 NTO is designed for high availability with redundant management ports, power supplies and fan trays. It's an ideal solution for enterprise data centers with increased bandwidth requirements due to higher processor density, virtualization and SANs.

■ PERFORMANCE

- 1G, 10G, 40G Ethernet support
- Non-blocking architecture; 640 Gbps total bandwidth
- Full line-rate across all ports with filtering enabled
- Port reconfiguration with no performance impact

■ HIGH-AVAILABILITY FEATURES

- Redundant, hot-swappable power supply/fan modules
- -48V DC or 120-240VAC power input
- Front to back air flow
- Redundant management ports
- Craft interface for out-of-band

■ PORT FLEXIBILITY

- Up to 64 ports available
 - Up to 64 1G Copper (SFP)
 - Up to 64 1G (SFP)
 - Up to 64 10G (SFP+)
 - Up to 16 40G (QSFP+)
- Ingress/egress port programmability
- Software port licensing
- Flexible port interconnections with additional Anue 5200 series products

■ MANAGEMENT

- SNMP v1, v2, v3 support
- TACACS+ support (members and groups)
- Granular access control features
- Event logging
- Syslog
- IT automation control
- Dual IP-based management ports (RJ45 – 10/100/1000)

■ FILTERING

- Centralized filter templates
- Overlapping filter engine
- Filter parameters (Layer 2-4)
 - MAC source/dest addresses
 - VLAN and Ethertypes
 - IP protocol and DSCP/TOS
 - Source/dest IP (IPv4)
 - UDP, TCP ports





Physical Specifications

■ SIZE AND WEIGHT

- 2U high rack mountable enclosure
- Dimensions: 17.5W x 19.125L x 3.5H (inches)
- Weight: 35.0 lb (16 kg)

■ POWER AC

- Input AC voltage: 90-240 VAC RMS auto-switching
- Frequency: 50-60Hz
- Nominal power requirement: 2.36A @ 110 VAC, 260W
- Maximum power requirement: 5A @ 110 VAC, 550W
- Heat/power dissipation for system with all 64 ports on the front panel at 100% traffic load: nominally 260W/887 BTU/hour

■ POWER DC

- Operating input voltage: 36 to 75 VDC
- Maximum operating input current: 11.46A @ 48 VDC, 550W
- Nominal current: 5.41A @ 48 VDC, 260W
- Heat/power dissipation for system with all 64 ports on the front panel at 100% traffic load: Nominally 260W/887 BTU/hour

Operating Specifications

Operational Environment

■ TEMPERATURE

- Operating: 5°C to 40°C
- Short-term*: -5°C to 55°C (*not to exceed 96 consecutive hours)
- Short-term* with fan failure: -5°C to 40°C (*not to exceed 96 consecutive hours)

Regulatory/Safety

North American Safety

UL 60950-1, 2nd Edition
CSA C22.2 No. 60950-1, 2nd Edition

European Safety

EN60950-1

International Safety

CB Scheme : IEC 60950-1:2005 First Edition

EMI/EMC

North American EMC

FCC part 15, Class A (USA)
ICES-003 Issue 4, Class A (Canada)

European EMC

EN55022 2006 Class A (Emissions)
EN55024 1998 w/A2 (Immunity)
EN61000-3-2:2006(Harmonics)
EN61000-3-3 1995 w/A2(Flicker)

IEC/International EMC

IEC/EN 61000-4-2:2001 Electrostatic Discharge Immunity
IEC/EN 61000-4-3:2006 Radiated Immunity
IEC/EN 61000-4-4:2004 Transient/Burst Immunity
EN61000-3-3 1995 w/A2(Flicker)
IEC/EN 61000-4-5:2005 Surge Immunity
IEC/EN 61000-4-6:2007 Conducted Radio Frequency Immunity
IEC/EN 61000-4-11:2004 Voltage Dips, Interruptions and Variations

Included Accessories

- AC power cord
- USB flash drive with activation license key
- Front rack mount kit





ORDERING INFORMATION

■ COMPLETE SYSTEMS	
SYS-5288-STD	Anue 5288 Net Tool Optimizer - base system
SYS-5288-ALL-10G	Anue 5288 Net Tool Optimizer - base system with all ports enabled: 64 1G/10G SFP/SFP+ ports <ul style="list-style-type: none"> • Includes 4 16-port interface module
■ INTERFACE MODULES	
MOD-528X-IFMOD-10G	Single (1) 5288 16-port interface module - supports up to 16 SFP/SFP+ ports
MOD-528X-IFMOD-40G	Single (1) 5288 4-port interface module - supports up to 4 QSFP+ ports
■ OPTIONS, UPGRADES & ACCESSORIES	
MOD-528X-ACMOD	Single (1) AC power module
MOD-528X-DCMOD	Single (1) DC power module
MOD-528X-FANMOD	Single (1) additional fan module (redundant)
ACC-5200-RBRACKET-19	4-Post 19" Bracket Extender 30"-42" for 5273 and 5288 Front brackets are included with system
ACC-5200-RBRACKET-23	4-Post 23" Bracket Extender 30"-42" for 5273 and 5288 Front brackets are included with system
■ 1 GIG OPTICAL LICENSES	
LIC-P5200-G1D	1G SFP Port – quantity One
LIC-P5200-G4D	1G SFP Ports – quantity Four
LIC-P5200-G8D	1G SFP Ports – quantity Eight
LIC-P5200-G15D	1G SFP Ports – quantity Fifteen
■ 10 GIG OPTICAL LICENSES	
LIC-P5200-X1D	10G SFP+ Port – quantity One
LIC-P5200-X4D	10G SFP+ Ports – quantity Four
LIC-P5200-X8D	10G SFP+ Ports – quantity Eight
LIC-P5200-X15D	10G SFP+ Ports – quantity Fifteen
■ 40 GIG OPTICAL LICENSES	
LIC-P5200-Q1D	40G QSFP+ Port – quantity One
LIC-P5200-Q4D	40G QSFP+ Ports – quantity Four
LIC-P5200-Q8D	40G QSFP+ Ports – quantity Eight
■ COLD SPARE LICENSES	
LIC-5288-SPARE	Cold spare system license

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