

Anue Net Tool Optimizer® 5236



Enterprise-Class Network Monitoring Switch

The Anue Net Tool Optimizer® (NTO) 5236 network monitoring switch provides high-density performance and 10GE visibility for network monitoring tools in all parts of a fiber network. The 5236 offers up to 24 SFP/SFP+ Ethernet ports and the industry's most advanced, easy-to-use, drag-and-drop control panel.

The Anue NTO 5236 is available in a 10GE version or a 1GE fiber optic version. The 1GE version can be upgraded in the field to the 10GE version at a later date. The Anue NTO 5236 includes two module slots to allow the addition of up to four additional 10GE ports using the Anue 5200 Series expansion modules. Modules are available to support CX4, XFP, and SFP+ interfaces. An available remote power supply offers a redundant power source for high-availability configurations.

Performance

- 10MB to 10GE Ethernet support
- Non-blocking architecture; 244Gbps total bandwidth
- Full line rate across all ports with filtering enabled
- Port reconfiguration with no performance impact

Port Flexibility

- Up to 28 ports available
- Ports 1-20: 1GE (SFP) or 10GE (SFP+)
- Ports 21-24: Up to 1GE copper
- Modular Ports 1-4: 1GE SFP+, 10GE CX-4, 10GE XFP or 10GE SFP+
- Ingress/Egress port programmability
- Software port licensing
- Timestamping (local and NTP)*
- Burst Protection*
- Port tagging
- Monitoring tool port load balancing



Management

- SNMP v1, v2, v3 support
- TACACS+, RADIUS, and Local support (members and groups)
- Granular access control features
- Event logging
- Syslog
- IT Automation control (RESTful API)
- IP based management port (RJ45 10/100/1000)

Filtering

- Centralized filter templates
- Custom dynamic filtering
- Overlapping Filter Engine
- Filter parameters (Layer 2-4)
- MAC Source/Destination addresses
- VLAN and Ethertypes
- IP protocol and DSCP/TOS
- Source/Destination IP (IPv4/IPv6)
- UDP, TCP Ports
- Protocol stripping (GTP, MPLS, VLAN, VNTAG)*

* Requires optional Advanced Features Module

Physical Specifications

Size and Weight

- 1U high 19 rack mountable enclosure
- Dimensions: 17.5W x 19L x 1.75H (inches)
- Weight: 15.5lb (7 kg)

Power AC

- Input AC Voltage: 90-240 VAC RMS auto-switching
- Frequency: 50-60Hz
- Nominal power requirement: 1.27A @ 110 VAC, 140W
- Maximum power requirement: 3.2A @ 110 VAC, 353W
- Heat/Power Dissipation: nominally 140Watts /478 BTU/hour

Power DC

- Input DC Voltage: 12V DC
- Nominal power requirement: 10A @ 12 VDC, 120W
- Maximum power requirement: 25A @ 12 VDC, 300W

Operating Specifications

Environmental

- Operating temperature: 0 to 30 C
- Operating humidity: 10 to 85%, noncondensing
- Fans: Automatic temperature-controlled DC fans (right to left airflow)

Regulatory/Safety

North American Safety

UL 60950-1, 2nd Edition

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

EMI/EMC

North American EMC

FCC part 15, Class A (USA)

ICES-003 Issue 4, Class A (Canada)

European EMC

EN55022 2003 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 61000-4-3:2002 Radiated Immunity

IEC/EN 61000-4-4:2001 Transient/Burst Immunity

EN61000-3-3 1995 w/A2 (Flicker)

IEC/EN 61000-4-5:2001 Surge Immunity

IEC/EN 61000-4-6:2001 Conducted Radio Frequency Immunity

IEC/EN 61000-4-11:2004 Voltage Dips, Interruptions and Variations

RoHS Compliant

Included Accessories

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

Ordering Information	
Complete Systems	
SYS-5236-STD	Base system with four 1GE SFP and one 10GE SFP+ ports enabled
SYS-5236-ONE	Base system with five 1GE SFP ports enabled
SYS-5236-TEN	Base system with five 10GE SFP+ ports enabled
SYS-5236-ALL	Base system with all ports enabled: 20 1GE/10GE SFP/SFP+ ports, four 10/100/1000 RJ-45 ports and two SFP/SFP+ modules
SYS-5236-AFM	Base system with all ports enabled: 20 1GE/10GE SFP/SFP+ ports, four 10/100/1000 RJ-45 ports and four 1GE/10GE SFP/SFP+ AFM ports
SYS-5236-SPARE	Cold spare system with no ports enabled
SYS-5236-GIG	1GE base system with five 1GE SFP ports enabled
SYS-5236-GIG-SPARE	Cold spare system with no ports enabled.
1 Gig Copper Licenses	
LIC-P5200-G1C	1GE Copper, RJ-45 Port – 10/100/1000 Base-T, quantity One
LIC-P5200-G4C	1GE Copper, RJ-45 Ports – 10/100/1000 Base-T, quantity Four
1 Gig Optical Licenses	
LIC-P5200-G1D	1GE SFP Port – quantity One (transceiver not included)
LIC-P5200-G4D	1GE SFP Ports – quantity Four (transceiver not included)
LIC-P5200-G8D	1GE SFP Ports – quantity Eight (transceiver not included)
LIC-P5200-G15D	1GE SFP Ports – quantity Fifteen (transceiver not included)
10G Optical Licenses	
LIC-P5200-X1D	10GE SFP+ Port – quantity One (transceiver not included)
LIC-P5200-X4D	10GE SFP+ Ports – quantity Four (transceiver not included)
LIC-P5200-X8D	10GE SFP+ Ports – quantity Eight (transceiver not included)
LIC-P5200-X15D	10GE SFP+ Ports – quantity Fifteen (transceiver not included)

Ordering Information**1GE to 10GE Upgrade License**

LIC-P5200-X1D-UP

Upgrade 1GE SFP port to 10GE/1GE SFP+ port - quantity One (transceiver not included)

ADVANCED FEATURE MODULE-2 (AFM2) – up to two modules per unit

MOD-P5200-X2D-ADV

Advanced Feature Module with 10G or 1G Optical SFP/SFP+ Ethernet Ports - quantity two. Ports can be used with SFP or SFP+ transceivers