



## Anue 5204 Net Tool Optimizer

*Optimize Network Monitoring Visibility, Tool Utilization, and Staff Productivity*

### Benefits

- Monitor 10G network links with 1G tools
- Share SPAN ports and Taps
- Optimize visibility into your network
- Reduce monitoring tool cost
- Reduce MTTR for troubleshooting
- Improve data center staff productivity

### Optimize Monitoring Tools

- Application Performance
- Security (IDS/IPS)
- Protocol Analyzers
- Data Recorders
- VoIP Analyzers
- Compliance Auditors
- Network Emulators
- Open Source Tools



### Overview

The Anue 5204 helps companies deploy multiple network tools by conveniently linking test and monitoring tools to any traffic on the network. This improves network visibility and maximizes return on investment for those tools.

The Net Tool Optimizer™ aggregates network data from SPAN ports and TAPS in your data center to a convenient centralized or distributed tool farm, where multiple tools can share simultaneous access to that network data. This product offers advanced Dynamic Filtering™ capabilities, so each unique tool accurately receives all of the data it needs and is optimally utilized. With powerful management tools, flexible upgrade options, and an intuitive, fully integrated GUI, the Anue 5204 Net Tool Optimizer is in a class of its own.

### Unlimited Visibility Into the Network

The Anue 5204 Net Tool Optimizer offers our proprietary Dynamic Many-to-Many Connectivity™ with robust, highly-accurate packet filtering capabilities. DMMC is the only way to accurately and simultaneously aggregate data from multiple SPANs or Taps to one tool while also sharing traffic from one SPAN or Tap with multiple tools.

**Any-to-Any** – send data from any network link to any tool accurately

**Any-to-Many** – eliminate SPAN/Tap shortages by multicasting to multiple tools

**Many-to-Any** – provide visibility of multiple network segments to any tool by aggregating traffic

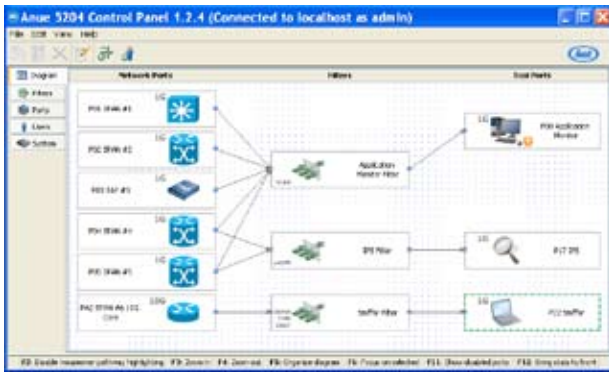
### Dynamic Filters are the Key

Dynamic Filters™ self-adjust to ensure continued accuracy of data transmission over time, regardless of other changes to filters, tool configuration, and connectivity. Like traditional Ingress filters, Dynamic Filters are excellent for aggregation, because traffic is filtered before it is aggregated. However, similar to Egress filtering, Dynamic Filters are also strong at sharing traffic from one network port to multiple tools, because the traffic that is sent to each tool can be filtered on independent, Layer 2-4 criteria. This can all be done in a small fraction of the time it takes to perform the same task using traditional, Command Line Based Filter coding, and the results are significantly more accurate.



## Fully Integrated GUI Control Panel

The Optimization Control Panel graphical user interface (GUI) is fully integrated to all aspects of the system, including filter rules, connectivity, and security. Command-line-Interface (CLI) code is never needed. This feature helps reduce set up, configuration, and management time by up to 90%, and it empowers anyone in the data center to manage filters. Everything is controlled via drag and drop, and the GUI provides top-down visibility into your network monitoring infrastructure. The GUI also offers Enterprise Workgroup functionality, including Knowledge-Sharing Tools and Security & Access Control features.



## Specifications

### Network Speed

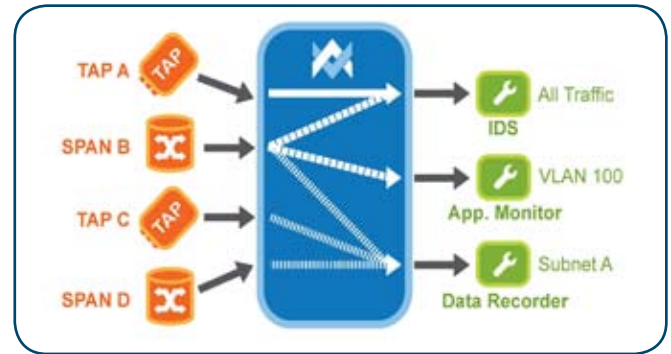
- 10/100/1000 Ethernet or 10G Ethernet
- Full line speed on all ports, with filtering enabled capacity up to 28 Ports

### Port Flexibility

- 10/100/1000 ports easily upgradable via software license in one port increments
- 10G ports in two port increments (in field or from factory)
- All ports can be utilized as either network or tool ports
- Dynamic port reconfiguration with no operational impact

### Filtering & Connectivity

- Dynamic Many-to-Many Connectivity (DMMC) for aggregating and sharing ports simultaneously
- Filtering fully Integrated into the GUI – no Command Line Interface (CLI) code needed
- Filter parameters - Layers 2-4
  - MAC source or destination addresses
  - VLAN and Ethertypes
  - IP protocol and DSCP/TOS
  - Source and destination IP address
  - UDP, TCP ports
- Dynamic Filters – automatically adjust filter settings when ports, tools, or filter parameters change



Traffic can be aggregated from many links to any tool and multi-casted so multiple tools can share single ports

## Modular Port Expandability

- Up to 28 ports per system
- Base system has five 10/100/1000 copper ports
- Twenty-four 10/100/1000 ports (up to four optical using SFP transceivers)
- Up to four 10G ports (optical or copper)
- Multiple Anue 5236 and 5204 systems can be interconnected to increase port count

## Enterprise WorkGroup Features

- Security Features
  - TACACS+ support
  - Password authentication for different user levels
  - Access Control (of ports and data) based on easy to manage Group membership
- Knowledge-Sharing Functions
  - Filter Libraries for speeding filter configuration
  - Configuration Export and Import
  - Real-time Updates across Users

## Graphical Control Panel

- Easy-to-use, fully integrated graphical user interface
- "Drag and drop" to configure links, tools, & filters
- System-level view provides clear picture of connectivity and filtering settings
- Tool Management - real time statistics on traffic by input data port, filter, and tool port
- Custom topology views per user, based on Access Control (Group membership and permissions)
- Unified GUI to view and manage multiple Net Tool Optimizer topologies with single log in

## System Administration

- Event logging, Syslog
- Remote management via web access
- SNMP versions 1, 2, and 3

## Technical Specifications

- Size – Standard 19" (48.3cm) 1U form factor
- Dimensions – 17.5W x 14.7D x 1.7H (inches), 44.5W x 37.3D x 4.3H (centimeters)
- Redundant power supply support
- Regulatory Compliance – CE, FCC, ICES, RoHS