# Sangfor Athena NDR Datasheet

## Intelligent Threat Detection and Response Platform



Sangfor_DS_P_Athena NDR-Datasheet_20261028

## Stay Ahead Of Emerging Threats With Sangfor Athena NDR

Sangfor Athena NDR is a best-in-class Network Detection and Response (NDR) solution that is designed to help organizations detect and respond to advanced and unknown security threats residing in their network.

Athena NDR harnesses the power of advanced artificial intelligence (AI) and machine learning (ML) technologies to monitor and analyze network-wide traffic in real-time, identifying and alerting security teams to any anomalies in network activity. These anomalies can otherwise appear as benign network traffic that has been manipulated or disguised by intelligent malware or sophisticated adversary techniques.

By providing unprecedented visibility of their network environment, Athena NDR empowers security teams to take rapid action to remediate hidden threats, attacks in progress, as well as risks and vulnerabilities. Athena NDR's built-in SOAR module further enables security teams to automate response actions to detected threats, significantly minimizing the impact caused by security incidents.

Sangfor Athena STA (Stealth Threat Analytics) is the sensor used in the Athena NDR solution. It is a hardware device that collects raw network traffic mirrored from switches and extracts traffic metadata, such as the source and destination IP addresses, protocol, port, packet size, timestamp, and other network-level data. It correlates the data into contextualized event logs and then forwards them to Athena NDR for more in-depth analysis.



Athena STA Front & Rear view



Athena NDR Front & Rear view

Athena NDR collects data from the STA sensor and applies AI and machine learning techniques to correlate and analyze the data. It then compares the real-time analysis results with established baselines of normal network behaviors to detect anomalies concealing malicious activities, such as stealthy command and control (C2) communication, lateral movement disguised as business traffic and irregular user behavior indicating insider threats.

# Sangfor Athena NDR – Physical Appliance

| Model | | CC-1500 |
|---|---|---|
| **Performance** | | |
| Based on Athena STA | Athena STA | 6STA-100 |
| | Throughput (Gbps) | 6 |
| Based on Logs | Daily access log number (Million/Day) | 225 |
| | Average EPS (Per log/Sec) | 3,520 |
| | Peak EPS (Per log/Sec) | 13,500 |
| | Disk consumption (GB/Day) | 126 |
| | Estimated storage days/1Gbps (Assumed throughput) | 1,350 |
| **Technical Specifications** | | |
| Memory (GB) | | 32*4 |
| CPU (Cores) | | 2*12 |
| System Disk | | 480 GB SSD × 2 |
| Data Hard Drive Capacity | | SATA 8TB*8 (Total: SATA 64TB) |
| LSI Raid | | 9560-8i |
| **Hardware Specifications** | | |
| Dimension (L x W X H) (mm) | | 800*435*87 or 797*447*87 |
| Rack Height | | 2U |
| Net Weight (kg) | | 32 |
| Gross Weight (kg) | | 41 |
| Power Supply | | Redundant |
| Rated Power (W) | | 1,000 |
| Maximum Power (W) | | 1,300 or 1,600 |
| Bypass | | N/A |
| Copper Ports | | 10/100/1000BASE-T*4 |
| SFP/SFP + Ports | | 10GbE SFP+*2 |

| | |
|---|---|
| **USB** | 4*USB2.0 or above |
| **Conversion Relation for Athena STA** | STA-300 = STA-100*3 , STA-500 = STA-100*10 |

## Sangfor Athena STA – Physical Appliance

| Model | STA-50 | STA-100 | STA-300 | STA-400a | STA-500 |
|---|---|---|---|---|---|
| **Performance** | | | | | |
| **Peak Sustained Throughput (Network Layer)** | Up to 500Mb | Up to 1Gb | Up to 3Gb | Up to 6Gb | Up to 10Gb |
| **Peak Sustained Throughput (Application Layer)** | Up to 160Mb | Up to 350Mb | Up to 1Gb | Up to 2Gb | Up to 5Gb |
| **Technical Specifications** | | | | | |
| **Memory (GB)** | 4 | 8 | 8 | 16 | 48 |
| **Hard Drive** | 128GB SSD | 128GB SSD | 480GB SSD | 960GB SSD | 960GB SSD |
| **Hardware Specifications** | | | | | |
| **Dimension (L x W X H) (mm)** | 175 x 275 x 45 | 300 x 430 x 44.5 | 600 x 440 x 89 | 600 x 440 x 89 | 600 x 440 x 89 |
| **Rack Height** | 1U | 1U | 2U | 2U | 2U |
| **Gross Weight (kg)** | 2.3 | 6 | 15.4 | 17.4 | 21 |
| **Power Supply** | Adapter | Single | Dual | Dual | Dual |
| **Rated Power (W)** | 22 | 30 | 48 | 55 | 250 |
| **Maximum Power (W)** | 24 | 40 | 60 | 150 | 300 |
| **Bypass** | N/A | N/A | N/A | N/A | N/A |
| **Copper Ports** | 10/100/1000BASE -T*4 | 10/100/1000BASE -T*8 | 10/100/1000BASE -T*8 | 10/100/1000BASE -T*16 | 10/100/1000BASE -T*4 |
| **SFP/SFP + Ports** | N/A | 10GbE SFP+*2 | 10GbE SFP+*2 | 10GbE SFP+*6 | 1GbE SFP*4; 10GbE SFP+*8 |
| **Serial Ports** | RJ45*1 | RJ45*1 | RJ45*1 | RJ45*1 | RJ45*1 |
| **USB** | USB2.0*2 | USB2.0*2 | USB2.0*2 | USB2.0*2 | USB2.0*2 |

| Sangfor Athena NDR - Virtual | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Model** | **vCC-10** | **vCC-50** | **vCC-100** | **vCC-500** | **vCC-1000** | **vCC-2000** | **vCC-3000** |
| **Performance** | | | | | | | |
| **Traffic Handling Capacity (Gbps)** | 0.5 | 1 | 2 | 3 | 5 | 8 | 12 |
| **Blog Handing Capacity (EPS/s, Peak)** | 5,000 | 5,000 | 5,000 | 5,000 | 10,000 | 12,000 | 15,000 |
| **Technical Specifications** | | | | | | | |
| **CPU (Main Frequency, Number of Cores)** | 2.10GHz*1*8 | 2.10GHz*1*8 | 3.60GHz*1*8 | 3.60GHz*1*8 | 2.10GHz*1*16 | 2.10GHz*1*32 | 2.10GHz*1*40 |
| **Memory (GB)** | 32 | 32 | 64 | 64 | 128 | 128 | 256 |
| **System Disk** | 128GB SSD | 128GB SSD | 128GB SSD | 128GB SSD | 128GB SSD | 128GB SSD | 128GB SSD |
| **Minimum Hard Disk Requirement** | 1TB | 1TB | 2TB | 2TB | 4TB | 8TB | 8TB |
| **Recommended Hard Disk Requirement** | 6TB | 6TB | 12TB | 12TB | 24TB | 48TB | 48TB |

| Sangfor Athena STA - Virtual | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Model** | **vSTA-10** | **vSTA-30** | **vSTA-50** | **vSTA-100** | **vSTA-200** | **vSTA-500** | **vSTA-1000** |
| **Performance** | | | | | | | |
| **Traffic Handling Capacity (Network Layer)** | 100Mb | 300Mb | 500Mb | 1Gb | 2Gb | 5Gb | 10Gb |
| **Traffic Handling Capacity (Application Layer)** | 50Mb | 150Mb | 250Mb | 500Mb | 1Gb | 1.5Gb | 3.3Gb |
| **Technical Specifications** | | | | | | | |
| **CPU (Main Frequency, Number of Cores)** | 2.4GHz*4 | 2.4GHz*4 | 2.4GHz*4 | 2.4GHz*4 | 2.4GHz*8 | 2.4GHz*16 | 2.4GHz*28 |
| **Memory (GB)** | 4 | 4 | 4 | 8 | 16 | 32 | 48 |
| **System Disk** | > 64GB | > 64GB | > 64GB | > 64GB | > 64GB | > 64GB | > 64GB |
| **Recommended Minimum Data Disk** | > 128GB | > 128GB | > 128GB | > 128GB | > 480GB | > 480GB | > 480GB |