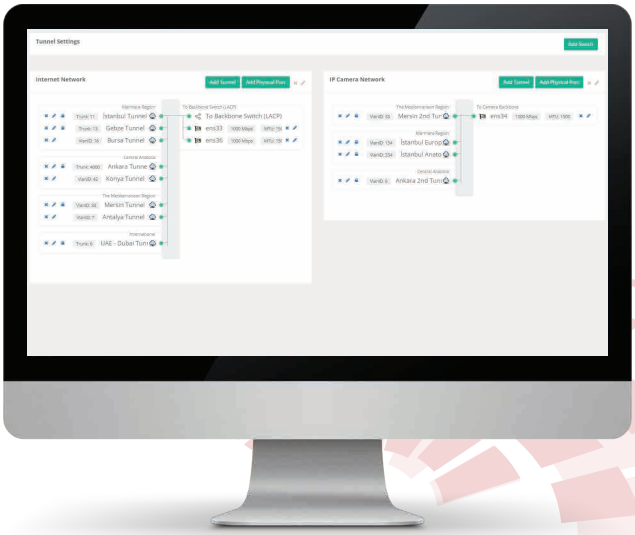
epati

antikor v2

Unified Cyber Security System

EPA-TN-4 Series
Dual Layer SD-WAN



Antikor Dual Layer(Layer2 & Layer3) SD-WAN EPA-TN-4 Series is a Turkish national product that provides Layer2 level secure virtual switching in Kobi networks with advanced network and security functions. Thanks to its bonding feature, it transfers different types of internet (xDSL, 4.5G behind, metro, asymmetric fiber etc.) to the center at the same time. It can do Packet Filtering (Layer2 Firewall) and QoS - Effective Bandwidth Management in Traffic.

Layer2 Communication over WAN

Local network over our internet lines by extending the layer2 level secure virtual by virtual switching creates a closed network. Between switches It works like an uplink. In short, both networks merges broadcast domains.

Multiple VLAN transfer in WAN

Antikor in Dual Layer SD-WAN solution Independent isolated Virtual Switches can be created and these encrypted with assigned VLANs on transferred as MAC-IP match check allows it to be done.

Performance

Both Virtual Ports and Physical Ports for IEEE 802.1Q VLAN (Untag Port Assignment, Tagged Port Assignment and Hybrid Port Assignment) has a feature. High Availability Cluster (Active - Passive Cluster) and Line Redundancy (fail-over) features.

Central Management

Central Management System and monitoring Thanks to it, you can get mass adjustment. All SIEM solutions include RAW, CEF, EWMM, Log in GELF, JSON, WELF, CIM formats does the shipping. LACP, LLDP and Netflow It has an export service.

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Product Specifications

Operating Modes

- Traffic Capturing on:
  - OSI Layer 2 - Ethernet
- Tunneling over:
  - OSI Layer 3 - IPv4 & IPv6
  - OSI Layer 3 - Working Behind NAT

Virtual Switch Features

- Assigning Layer2 Tunnels as Virtual Ports
- IPsec Encryption for Layer2 Tunnels
- Physical Port Assignment
- IEEE 802.1Q VLAN for both Virtual and Physical Ports:
  - Untag Port Assignment
  - Tagged Port Assignment
  - Hybrid Port Assignment
- VLAN Enabled MAC Table
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- Spanning Tree Protocol
- Rapid Spanning Tree Protocol
- Link Layer Discovery Protocol
- NetFlow Export Service
- MAC Learning

Ethernet Interface Specifications

- 4094 IEEE 802.1Q VLANs for each port
- IEEE 802.3ad LACP
- Virtual Ethernet Interface
  - Loopback
  - VLAN subinterface

IPsec VPN

- Encryption: DES, 3DES, AES, BLOWFISH, CAST128, CAMILIA
- Authentication: MD5, SHA1, SHA256, SHA384, SHA512, 3DES, DES
- WildCard ID Support
- NAT Traversal Support
- Assigning different IPsec Profiles for each Layer2 Tunnel

Management Interface Features

- HTML5 Responsive Web Interface
  - SSL Certificate based authentication
  - Customizing the service port
- Out of Band Management Plane
- SSH Console
- Physical Console (Monitor, Keyboard)

System Performance

MAC Table Size	4
Layer2 Throughput (Gbps)	25 Mbps
Firewall Throughput (Gbps)	10 Mbps
IPsec Throughput (Gbps)	5 Mbps

Licensing

Number of Layer2 Tunnels	1
Number of Phys. Ports can be Assigned to a Virtual Switch	2
Number of Tunnels can be Assigned to a Virtual Switch	1
Number of VLANs for Layer2 Tunnels	1
High Availability (HA) - Cluster Support	No
Number of Addressable CPU Threads	2
Number of IPsec VPN Tunnels	1
Number of Virtual Switches	1
IEEE 802.3ad LACP Support on Virtual Switches	No
WAN Bonding	No
MTU Adaptation for WAN	Yes

Services

- Live Dashboard
- Automated Update System
- WAN Bonding (Optional)
- SNMP v2/v3 Service
- Layer2 Packet Filtering on Tunneled Traffic (Optional)
- QoS - Quality of Service on Tunneled Traffic (Optional)
- Port Grouping
- Syslog Service (RAW, CEF, EWMM, GELF, JSON, WELF, CIM)
- MAC Learning
- Authorization Management
- Isolated Virtual Switching
- NetFlow Export Service
- Incident Notification Service
  - SMS, Email, Browser Notification

Routing

- IPv4 / IPv6 Static Routing
- OSPF(Open Shortest Path First), BGP(Border Gateway) Protocols

Hardware Requirements

- Min 2 Core Processor
- Min 2 GB Ram
- Min 64 GB Solid State Disc
- Min 2 x Gigabit Ethernet Card

* Performance tests are performed with the following hardware:
- Intel Atom E3940 Processor, 4 GB DDR3L 1866 MHz RAM

** Note: All performance values may vary depending on environmental condiditions, system configuration and equipment.

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