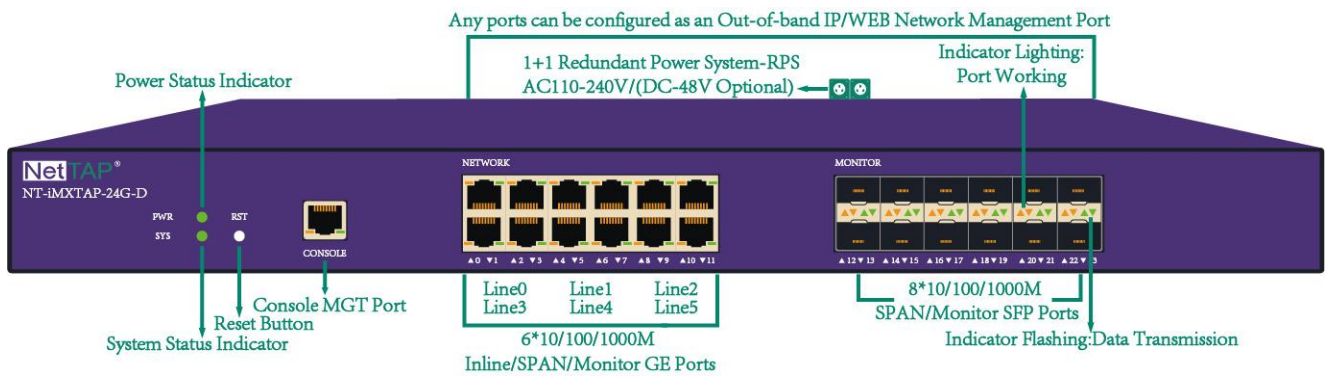
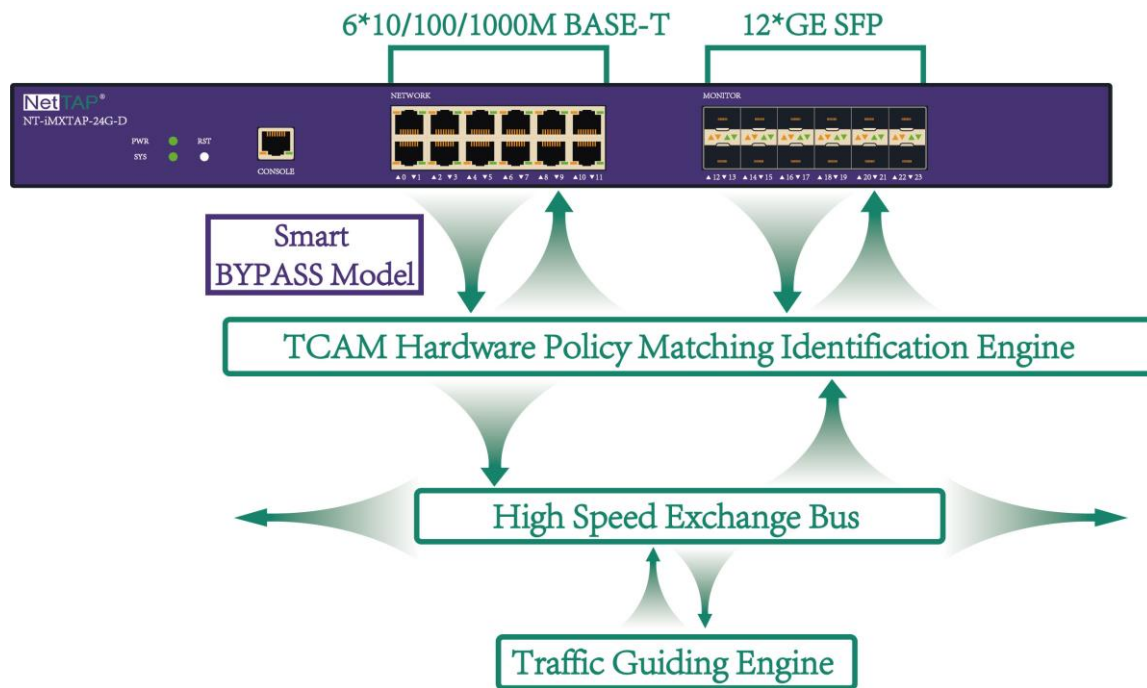


1- Overviews

- ☞ A full visual control of Data Acquisition device(12*GE electrical ports plus 12*GE SFP ports)
- ☞ A full Data Scheduling Management device(duplex Rx/Tx processing, 6*GE electrical port for in-line monitoring mode)
- ☞ A full pre-processing and re-distribution device(bidirectional bandwidth 24Gbps)
- ☞ Supported collection & reception of link data from different network element locations
- ☞ Supported collection & reception of link data from different switch routing nodes
- ☞ Supported raw packet collected, identified, analyzed, statistically summarized and marked
- ☞ Supported to realize irrelevant upper packaging of Ethernet traffic forwarding, supported all kinds of Ethernet packaging protocols, and aslo 802.1q/q-in-q, IPX/SPX, MPLS, PPPo, ISL, GRE, PPTP etc. protocol packaging
- ☞ Supported raw packet output for monitoring equipment of BigData Analysis, Protocol Analysis, Signaling Analysis, Security Analysis, Risk Management and other required traffic.



2- System Block Diagram



Your Network Traffic Visual Control One-stop Provider

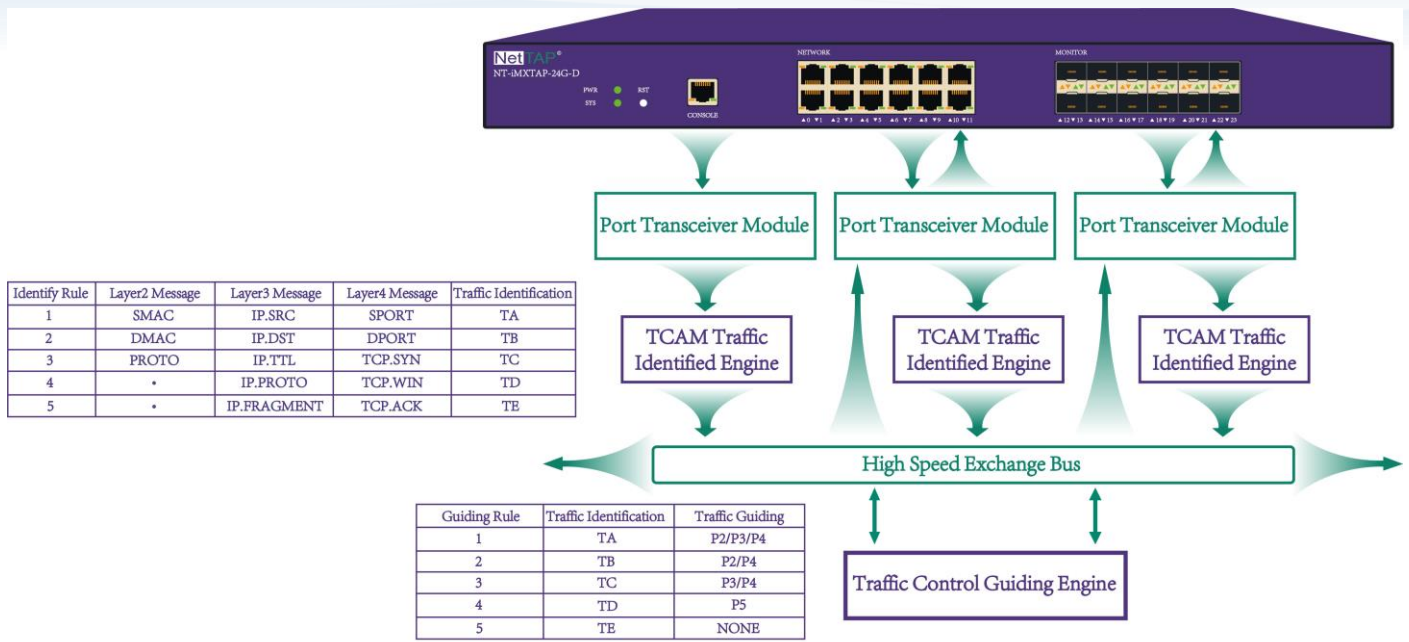
Specifications subject to change without notice

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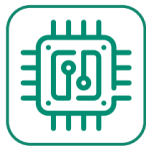
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3- Operating Principle



4- Intelligent Traffic Processing Abilities



ASIC Chip Plus TCAM CPU
 24Gbps intelligent traffic processing capabilities



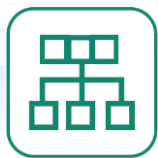
GE Acquisition
 12*GE Elctrical ports, plus 12*GE SFP ports, Rx/Tx duplex processing, up to 24Gbps Traffic Data Transceiver at same time, for network Data Acquisition, simple Pre-processing



Data Replication
 Packet replicated from 1 port to multiple N ports, or multiple N ports aggregated, then replicated to multiple M ports



Data Aggregation
 Packet replicated from 1 port to multiple N ports, or multiple N ports aggregated, then replicated to multiple M ports



Data Distribution

Classified the incoming metadata accurately and discarded or forwarded different data services to multiple interface outputs according to user's predefined rules.



Data Filtering

Supported L2-L7 packet filtering matching, such as SMAC, DMAC, SIP, DIP, Sport, Dport, TTL, SYN, ACK, FIN, Ethernet type field and value, IP protocol number, TOS, etc. also supported flexible combination of filtering rules.



Load Balance

Supported load balance Hash algorithm and session-based weight sharing algorithm according to L2-L7 layer characteristics to ensure that the port output traffic dynamic of load balancing

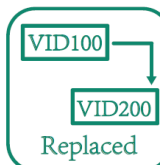


VLAN Tagged

Supported the matching of any key field in the first 128 bytes of a packet. The user can customize the offset value and key field length and content, and determine the traffic output policy according to the user configuration.



VLAN Untagged



VLAN Replaced



Smart BYPASS Function

Supported Link-Reflect and Link-SafeSwitch enable redundant equipment and routing mechanism, achieve fast traffic switching, effectively shorten network failure recovery time, and enhance network reliability to keep up/down Ethernet Port Link status without lost.



Unified Control Platform

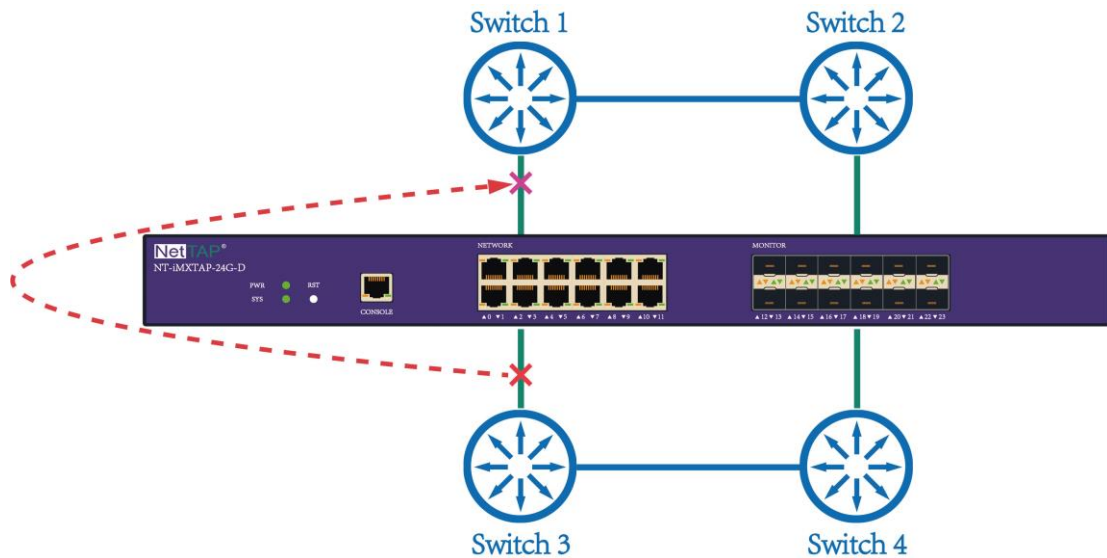
Supported NetTAP® Matrix-SDN Visual Control Platform Access



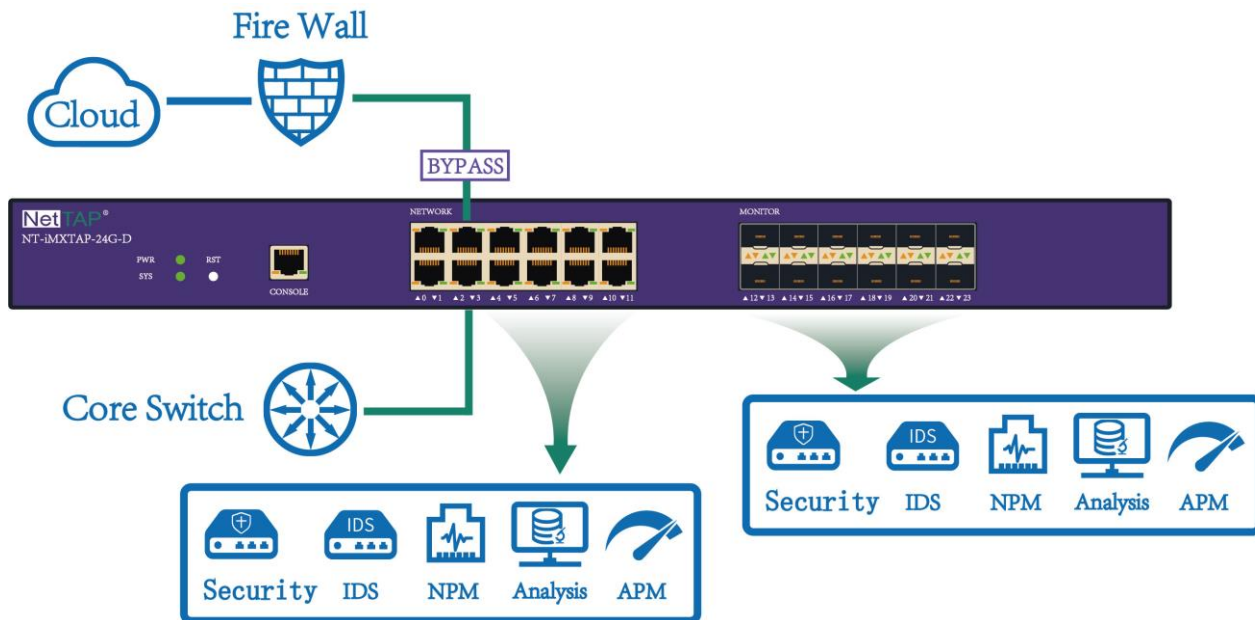
1+1 Redundant Power System(RPS)
Supported 1+1 Dual Redundant Power System

5- Typical Application Structures

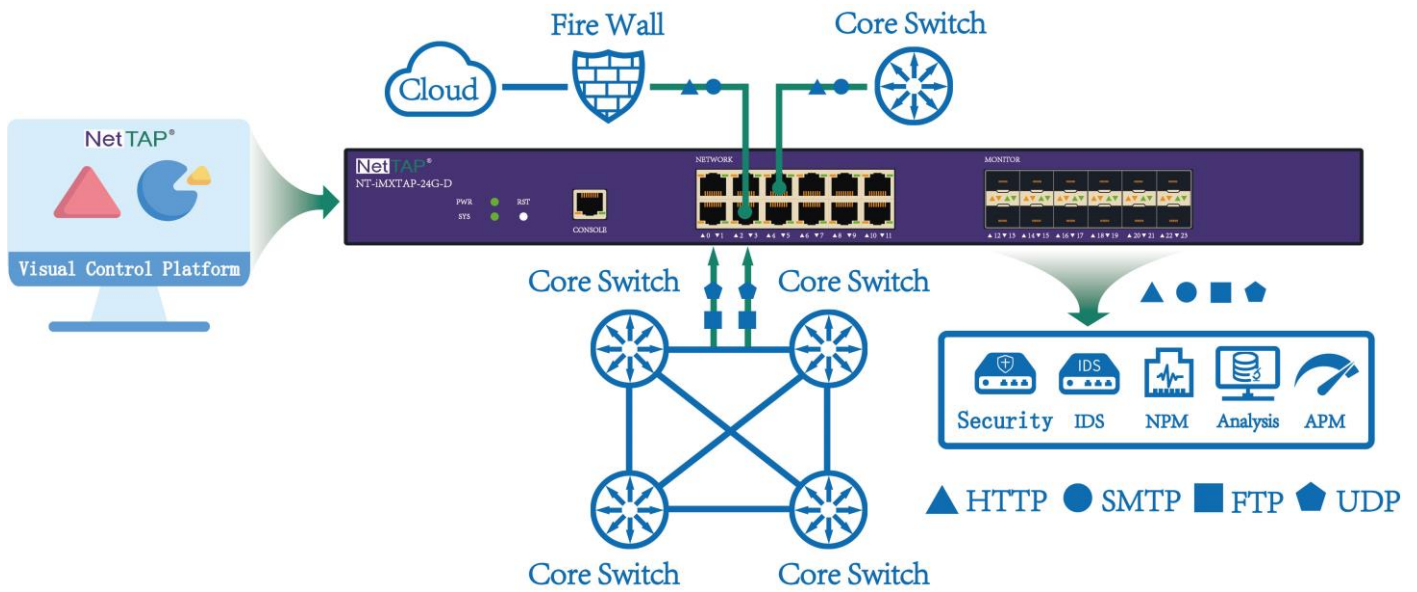
5.1 Smart BYPASS Function: Link-Reflect & Link-SafeSwitch(as following)



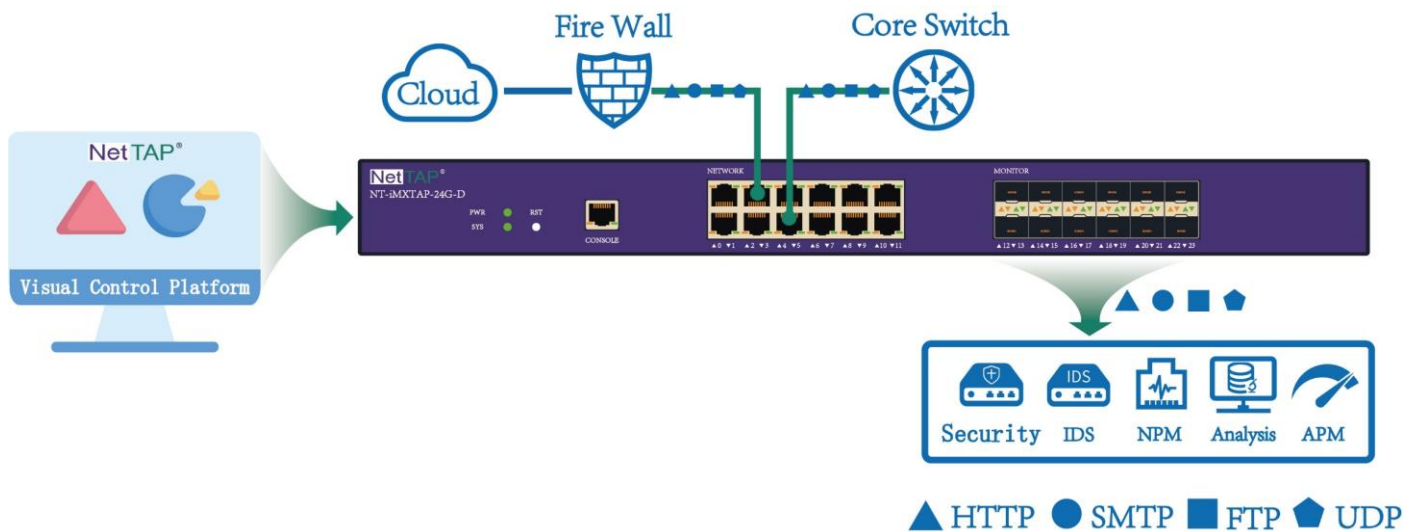
5.2 Inline Deployment Application(as following)



5.3 Hybrid Access Application(as following)



5.4 Customization Traffic Monitoring Application(as following)



6- Specifications

NT-iMXTAP-24G-D NetTAP® NPB Functional Parameters		
Network Interface	GE Electrical Ports	12*10/100/1000M BASE-T Ports
	SFP slots	12*SFP slot ports, support GE Optical/Electrical Module
Deployment Mode	Inline mode	support max 6*10/100/1000M BASE-T Inline mode
	SPAN monitoring input	support max 23*SPAN inputs
	Monitoring Output	support max 23*monitoring outputs
Functions	Total QTYs interface	24
	Traffic replication / aggregation / distribution	support
	Inline mode and SPAN monitoring	support
	Link QTYs supporting Mirror replication / aggregation	1 -> N link traffic replication (N <23) N-> 1 link traffic aggregation (N <23) G Group(M-> N Link) traffic replication and aggregation [G * (M + N) <24]
	Up/Down Traffic Aggregation	support
	Up/Down Traffic Monitoring	support
	Distribution based on traffic identification	support
	Distribution based on IP / protocol / port Five tuple traffic identification	support
	Distribution strategy based on protocol header the key labeled traffic identifies	support
	Support Ethernet encapsulation independence	support
	BYPASS Function(Inline mode)	support
	BYPASS Switch Time (Inline mode)	< 150ms
	Link Reflect (Inline mode)	support
	Link Safe Switch (Inline mode)	support
	CONSOLE Network Management	support
IP/WEB Network Management	support	
SNMP V1/V2C Network Management	support	

Your Network Traffic Visual Control One-stop Provider

Specifications subject to change without notice

NetTAP® Network Packet Broker (NPB)

NT-iMXTAP-24G-D

	TELNET/SSH Network Management	support
	SYSLOG Protocol	support
	User authentication function	Password authentication based on user name
Electric(1+1 Redundant Power System-RPS)	Rated supply voltage	AC110-240V/DC-48V (Optional)
	Rated power frequency	50HZ
	Rated input current	AC-3A / DC-10A
	Rated power function	100W
Environment	Operating Temperature	0—50°C
	Storage Temperature	-20-70°C
	Operating Humidity	10%-95%, Non-condensing
User Configuration	Console Configuration	RS232 interface,115200,8,N,1
	Password authentication	support
Rack Height	Rack space (U)	1U 485mm*44.5mm*350mm