napa:tech;
SMARTNIC+IPU SOLUTIONS

Software Package Summary

	Link-Capture™ Software	Link-Inline™ Software	Link-Virtualization™ Software	Link-Storage™ Software	Link-Security™ Software
Solutions					
Application and network performance monitoring	✓				
Subscriber monitoring	✓				
Capture to disk, replay from disk	✓				
Latency measurments	✓				
Cybersecurity threat detection	✓				
Network test and measurement	✓	✓			
Cybersecurity threat prevention		✓			
5G User Plane Function (UPF) offload		✓			
Virtualized data plane offload			✓		
Storage offload				✓	
Security offload					✓
OpenStack Infrastructure-as-a-Service (IaaS)			✓		
Bare metal cloud platform IaaS with tenant isolation	✓		✓	✓	✓
Key Features					
Zero packet loss, optimized buffer system for capture	✓				
Multi-port packet merge, sequenced in time stamp order	✓				
Header stripping, slicing, deduplication	✓				
Pattern match, protocol, length, and error filters	✓				
Advanced statistics	✓				
Layer 2, Layer 3, Layer 4 protocol classification	✓	✓			
Tunneling support	✓	✓			
Time stamping and synchronization	✓	✓			
Stateful flow management	✓	✓			
RSS load balancing	✓	✓	✓		
Low-latency packet processing		✓			
GTP encapsulation / decapsulation		✓			
SDF / QoS policing		✓			
DSCP tagging		✓			
Billing counters		✓			
NAT		✓	✓		
Traffic Mirroring		✓	✓		
Open vSwitch (OVS) offload			✓		
KVM and OpenStack live migration			✓		
VirtIO hardware offload			✓		
VLAN / VXLAN and Q-in-Q encapsulation/decapsulation			✓		
TCP offload				✓	
NVMe/TCP offload				✓	
NVMe/TCP initiator				✓	
Multipath NVMe				✓	
TLS proxy					✓
TLS offload					✓
TCP processing					✓
Load balancing					✓
DDoS mitigation					✓
Traffic filtering					✓
SDN controller support			✓		

Software Package Summary

	Link-Capture™ Software	Link-Inline™ Software	Link-Virtualization™ Software	Link-Storage™ Software	Link-Security™ Software
Orchestration and APIs					
PCAP	√				
Napatech API	√				
Kubernetes		√			
OpenStack			√		
DPDK	√	√	√		
virtio-blk drivers				√	
virtio-net API					√
Hardware Support					
NT20 SmartNIC	√				
NT40 SmartNIC	√				
NT50 SmartNIC	√		√		
NT100 SmartNIC	√				
NT200 SmartNIC	√	√	√		
NT400 SmartNIC	√	√			
F2070X IPU			√	√	√