



# NodeGrid Services Router™

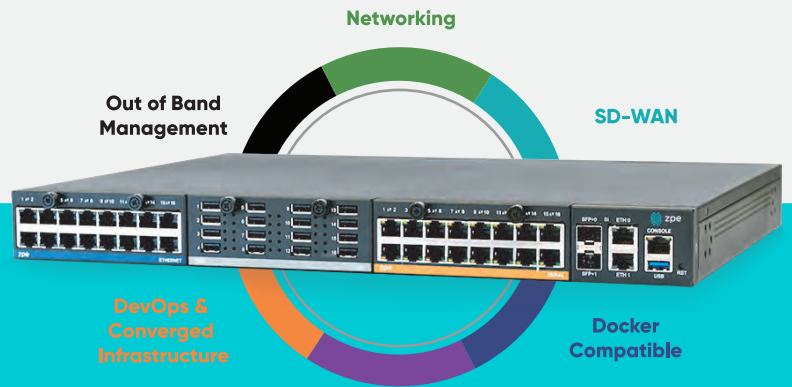
## Modular Service Router with Virtualized Network Function Technology



**Nodegrid Services Router (NSR)** is a modular open platform appliance designed for software-defined networking (SDN), out of band (OOB) management, DevOps, SD-WAN, remote/branch offices, retail locations, and network function virtualization (NFV) capabilities. NSR is optimized to perform various network functions including switching, routing, security, WAN acceleration, provide secure OOB remote access, run Docker applications and control IT devices at the edge of the network, and within converged infrastructure (CI) environments.

### Challenges Faced in Today's Network Infrastructure

- Modern network infrastructure needs to be versatile to keep up with the growth of the industry.
- Scalability more than ever is at the center of business needs. Is your infrastructure scalable?
- Enterprises face challenges in their cloud transformation because traditional networks were not built for the Cloud.
- Networking teams spend a long time evaluating multiple appliances – one for each: Networking, OOB, Fail-over, Firewall, IPSEC...
- Deploying multiple appliances, setting consistent configuration and adding network functions on new branches is time consuming
- Remote access securely over multiple circuits (WAN, Cellular fail-over, VPN...) using unified policies
- Lack of visibility and centralized management with 360 view, clustering and search capabilities to track changes in the network.



### NodeGrid Service Router Benefits



#### Accelerate Infrastructure Deployment

- Multiple service module expansions
- Software Defined Networking and Network Function Virtualization
- Single modular platform for the Edge, Cloud, CI and Data Center
- Quick deployment with ZTP, automation, OpenFlow, RESTful
- Open x86 Environment



#### Secure Network

- Robust enterprise security keep your network safe
- Encrypted data transit with SSL and IPSec technologies
- Consistent service and policy with centralized management
- Separation of control-plane and data-plane



#### Savings

- Run multiple functions concurrently on a single device
- Cut hardware costs, save physical space, simplify configuration
- Reduce downtime with alerting, automation and cellular failover
- Reduce operational expense in device maintenance with ZTP





### Scalability

NSR is built with scalability in mind. With a plethora of NSR modules available, your networking infrastructure grows with you, instead of hindering growth. NSR's modularity, in conjunction with Nodegrid device clustering results in an environment that is dynamically scalable to your needs and requirements.



### Network Function Virtualization

Quickly and easily manage and deploy network infrastructure with Network Function Virtualization. Quickly deploy virtual WAN, Routers, Firewalls, Security and more, with ease. Old single function and purpose built appliances can be replaced with NSR modules and NFV packages. Streamline operations and simplify network management. Perform network functions from industry leaders like Crisco, Juniper and others.



### NodeGrid Management Platform

NSR comes with the Nodegrid OS platform built in, or deployable in a VM. Easily maintain and manage your entire IT infrastructure from a single management platform, regardless of vendor. You no longer need separate software suites to administer devices, Nodegrid will take care of them all and provide you with a 360° view of your entire IT infrastructure.



### Powerful

NSR is the most powerful solution on the market. Where other's appliances are limited to running up to few NFV's simultaneously per appliance, NSR multi-core platform runs more NFV's without even breaking a sweat... NSR takes advantage of it's latest Intel based processor to give you unmatched virtualization. You can run all these NFV's while still being able to manage your physically connected network... NSR is that powerful.

## Available Expansion Modules

16 Port - Ethernet (POE)



8 Port SFP - Ethernet



16 Port - Serial



Compute Card



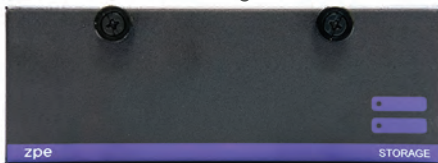
M.2 / SATA + Antenna



16 Port - USB



Storage



More coming soon...

## Ordering Information

Speak to a ZPE Systems representative for ordering information, or email [info@zpesystems.com](mailto:info@zpesystems.com)

