Nodegrid Hive SR ™

Deploy the turnkey, next-generation Out-of-Band gateway for automated, fast, & flexible edge networking

Legacy Out-of-Band (OOB) solutions focus on connecting to target devices. For your modern enterprise, there is a larger focus on preventing downtime, true zero touch deployment to gain predictability, ease of use and optimization of services at the edge. You need a solution that offers total freedom to address all of these problems - **The Nodegrid Hive Services Router** ™ (HSR).

With Hive SR, gain advanced failover WAN capabilities (Cellular, Starlink, Darkfiber), monitoring, integration, and automation at the edge. This fully secure box features open architecture that is compatible with all your infrastructure. You get a truly next-gen OOB router that monitors physical and virtual assets; enables vertical integration across hardware and orchestration stacks; and helps you automate across solutions and environments, regardless of vendor.

"Best of all, Hive SR comes with turnkey routing and firewall on first boot thanks to its default gateway profile. Simply power on the device to automatically set up a complete security and connectivity stack at the edge utilizing ZPE Cloud."

- Network Architect, Fortune 500

- Bring up your branch from scratch to fully functional, all with ZPE Cloud™ orchestration

- Operate custom or third-party services at the edge with our container virtualization stack

- Monitor every piece of remote infrastructure — software, hardware, environmentals, user experiences — using an array of sensor and probes

- Get world-class, next-gen out-of-band — the same used by tech giants to instantly reach, remediate, & recover IT assets from downtime

- Take advantage of ZPE Cloud's NetDevOps tools to automate roll-outs & roll-backs

Deploy Effortlessly

The HSR is a compact and versatile 8-port branch router with the latest generation of WAN and LAN connectivity, including options for 5G/4G/LTE and Wi-Fi. Pair the HSR with ZPE Cloud for centralized management that maximizes your time and resource savings. When it's time to deploy sites and configuration changes, do it automatically via ZPE Cloud — even for externally attached end devices, or cloud security services such as Palo Alto Prisma Access, Netskope SASE Cloud Firewall, or Zscaler Zero Trust Exchange. Zero touch provisioning makes the HSR the ideal SASE/SSE branch gateway for frictionless deployments.
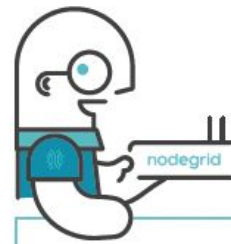
The only 6-in-1 Out-of-Band Branch Router

Hive SR is the next-generation OOB Branch router and addresses the gaps found in OOB solutions from other vendors. In one box, it combines five valuable capabilities including:

- Gateway mode out of the box, with cloud-based zero touch provisioning of connectivity, security, & third-party workloads

- Highly flexible WAN connectivity options, including: 4G, 5G, Data Plans, Wi-Fi, Starlink, and more.

- Open management platform - Including native support for third-party VMs & container applications

- Full-featured NetDevOps automation at the edge, with rich orchestration from the cloud Next-generation out-of-band

- Zero Trust Security Edge visibility via direct-connect

- USB environmental sensors & actuators

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Gain True Multi-Vendor Freedom

Built on a multi-core Intel x86 CPU, the HSR gives you the freedom to run your choice of automation scripts, containers, and VMs. This openness, paired with extra memory and storage capacity, enables you to run third-party firewalls from trusted vendors like Palo Alto Networks or Fortinet, along with separate SD-WAN workloads and applications. You get compatibility with serial, USB, PDUs, servers, and all your infrastructure — without any gaps.

Bring NetDevOps Automation to the Edge

If you can't automate even one task, your automation pipeline breaks. But the HSR is purpose-built to serve as your IT jumpbox to use Zero Touch Provisioning via WAN, run automation scripts, and execute Ansible playbooks. **You get a complete orchestration platform that allows you to easily begin your NetDevOps journey — automating everything from deployments, to configuration changes and troubleshooting fixes.** The HSR is the ideal orchestration target to use with ZPE Cloud, which allows you to host and execute playbooks for your environment. Script and automate to prevent problems before they occur, and you can enlist ZPE Systems' Professional Services Team for help developing custom scripts.

Be There with Next-Gen Out-of-Band

When you do need to respond, Nodegrid's next-gen out-of-band makes it like you're physically there. Access, provision, and remediate switches, servers, SD-WAN, firewalls, power distribution units (PDUs), IPMI devices and more, from anywhere in the world. For added visibility and control, the HSR also supports the full portfolio of Nodegrid's USB environmental sensors and actuators, along with ZPE Cloud. Monitor airflow, temperature spikes, user experience metrics, application metrics, and much more. Graphs help you easily visualize KPIs to see inside your edge sites, and complex event processing and notifications alert you to any issues that need your attention.

Stay Secure from the Ground Up

The HSR offers all this while making zero compromises on security. **This 6-in-1 branch router is hardened with a secure root of trust, which employs proper BIOS protection, TPM 2.0, geofencing, UEFI secure boot, and a signed OS.** You stay protected from the ground up using a platform that supports your approach to implementing Zero Trust Security.
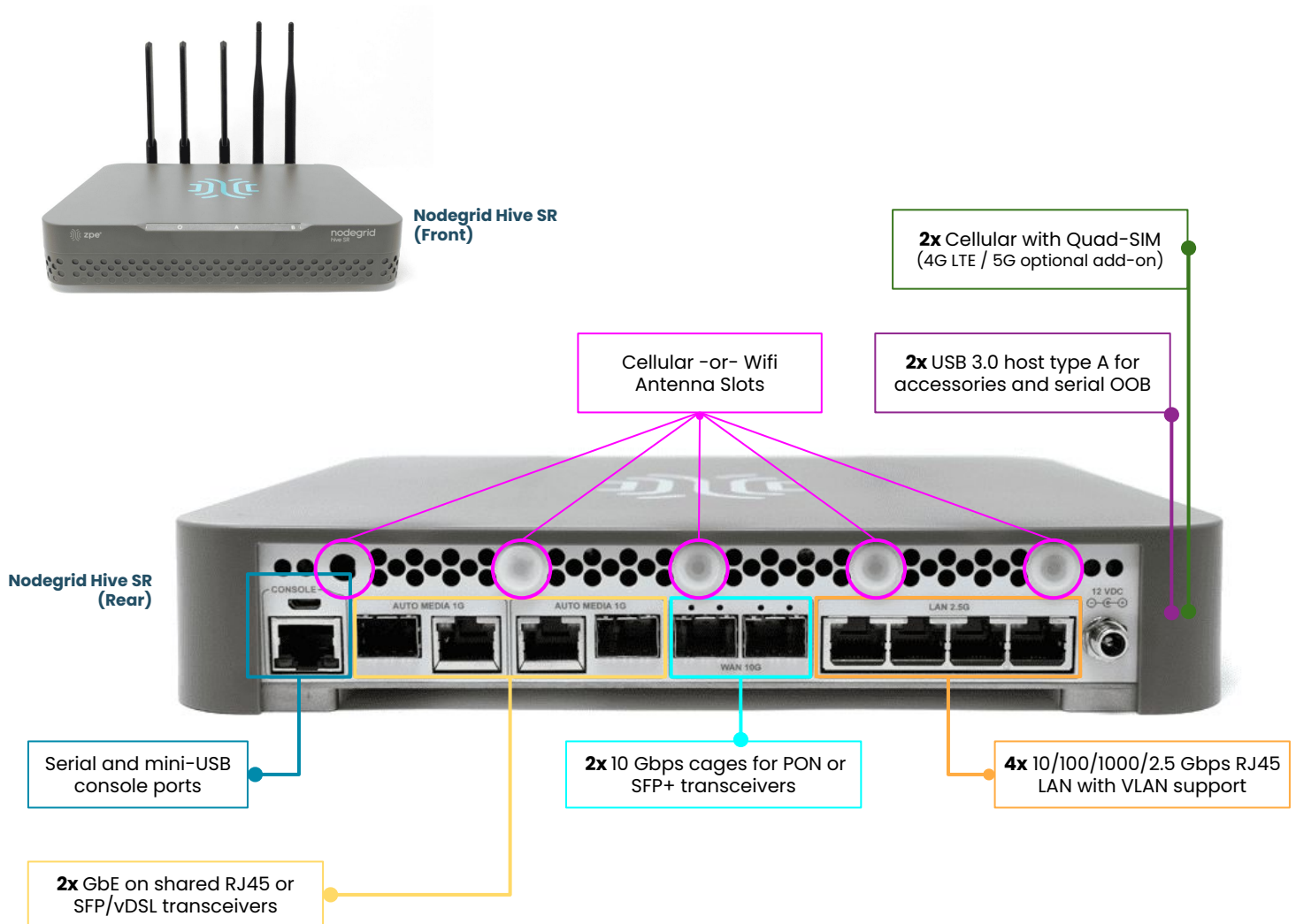

How Nodegrid Hive SR compares

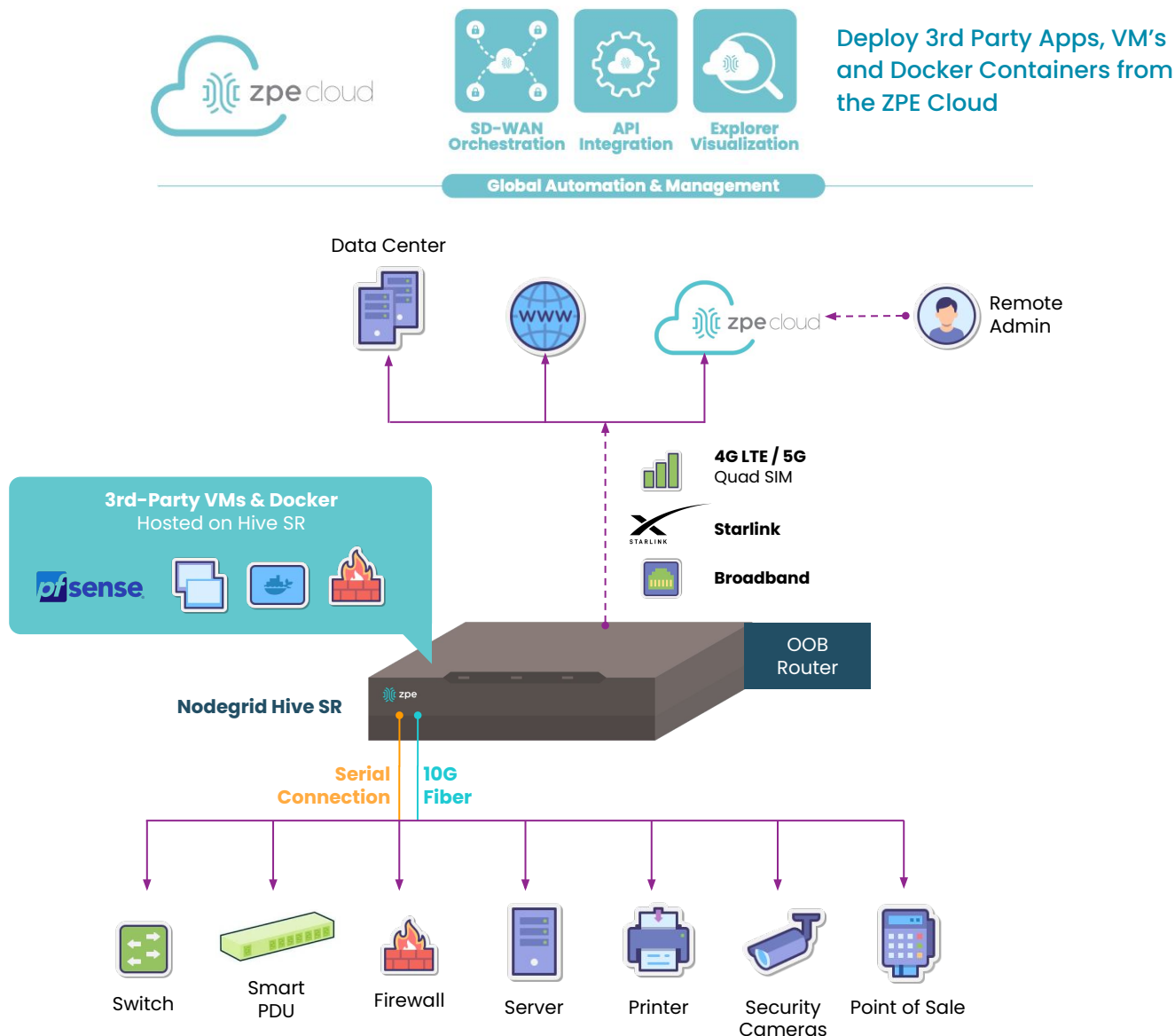| Product Features	Other OOB Vendors	NGFW Vendors	Hive SR
Gateway Router	Yes	Yes	Yes
Built-in Wi-Fi	No	Yes	Yes
4G	Yes	Yes	Yes
5G	No	No	Yes
Secure OOB	Yes	No	Yes
NetDevOps Provisioning	Yes	–	Yes
VM/ Container/ VNF	Docker Only	–	Yes VMs and Docker
Zero-Trust HW	–	Weak	Yes
Sensors/ Actuators	Yes	–	Yes
Experience Monitoring	No	–	Yes – ThousandEyes
Firewall (L3/4)	Yes	Yes	Yes
NGFW Firewall (L7)	No	Yes	3rd-party SSE

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Next-Gen SD-Branch with Hive SR

Hive SR is the ultimate device to bring next generation SD-Branch. Its internal 5G/4G/LTE modem means you can easily deploy remote sites without a main connection. Its array of interfaces allow you to pair Hive SR with ZPE Systems' wireless access points and Nodegrid environmental sensors, to automate entire deployments and gain next-gen out-of-band for your entire site.

Upon installation, Hive SR initiates a Zero Touch Provisioning process and automatically connects to ZPE Cloud.
After secure, two-way authentication, Hive SR automatically pulls down its configuration. This automated seed of life can also extend to configure end devices, install third-party VMs, and activate service licenses, all under the direction of ZPE Cloud's secure and complete orchestration.

**Nodegrid Hive SR
(Front)**

2x Cellular with Quad-SIM
(4G LTE / 5G optional add-on)

Cellular -or- Wifi
Antenna Slots

2x USB 3.0 host type A for
accessories and serial OOB

**Nodegrid Hive SR
(Rear)**

Serial and mini-USB
console ports

2x 10 Gbps cages for PON or
SFP+ transceivers

4x 10/100/1000/2.5 Gbps RJ45
LAN with VLAN support

2x GbE on shared RJ45 or
SFP/vDSL transceivers

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zpe cloud

SD-WAN Orchestration **API Integration** **Explorer Visualization**

Deploy 3rd Party Apps, VM's and Docker Containers from the ZPE Cloud

Global Automation & Management

Data Center

www

zpe cloud

Remote Admin

4G LTE / 5G Quad SIM

Starlink

Broadband

3rd-Party VMs & Docker
Hosted on Hive SR

pfsense

Nodegrid Hive SR

OOB Router

Serial Connection   **10G Fiber**

Switch   Smart PDU   Firewall   Server   Printer   Security Cameras   Point of Sale

Why Nodegrid Hive SR?
- One box for SD-WAN, NGFW, and out-of-band
- 5G modem
- Zero touch provisioning & Gateway mode
- Global data SIM
- HW subscription option
- Inventory available now
- Price/Performance

SKUs to Order: 8-Core CPU, 16GB DRAM
- ZPE-HSR-816-D128G-GW (w/o modem) -OR- ZPE-HSR-816-4G-D128G-GW (w/ 4G LTE)
- NGM-FL-DOCK-GSUB-1Y-500 (Docker/VM License)
- USB to Serial Cable (bundle promo included)
- ZPE Cloud License
- Includes 11 managed devices
- 2 Year Standard Support Included

Additional SKUS
- Cellular Data Plan
- 4-Port USB Serial
- Support

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Technical Specifications

Interfaces (Base Model)
- **WAN: copper, fiber, & wireless**
  - 2X GbE ETH on shared RJ45 or SFP/vDSL transceivers
  - 2X 10 Gbps cages for PON or SFP+ transceivers
  - 2X Cellular with Quad-SIM (5G/4G/LTE optional add-on SKU)
- **LAN: copper & wireless**
  - 4X 10/100/1000/2.5 Gbps RJ-45 with VLAN support
  - 1X Wi-Fi 6 (802.11ax optional add-on SKU)
- **Serial & mini-USB console port**
  - 2X USB 3.0 host type A for accessories

External Accessories (See SKUs)
- External dual-radio 802.11ac Wi-Fi AP (Access Point)
- 4-Port RJ45 Serial Expansion (via USB)
- vDSL FSP adapter
- USB sensors (temperature, humidity, air flow, GPIO, relay, smoke)
- Redundant power input Y-Cable

Managed Devices:Next-Gen Out-of-Band (NG-OOB)
Serial console ports, USB console, IP Management port, PDU, and IPMI devices

Wireless (Optional SKU)
- Latest generation IEEE 802.11ax Wi-Fi 6 compliant with 2 spatial streams in 2.4 GHz & 2 spatial streams in 5 GHz (2X2X2)
- Backward compatible with IEEE 802.11a/b/g/n/ac
- Devices can be connected to both 5 GHz + 2.4 GHz bands concurrently
- 2 TX/RX antennas connected through RP-SMA connectors
- TX Power 20dBm per chain
- Supports 160 MHz bandwidth (BW) in 5 GHz band & 40 MHz BW in 2.4 GHz band
- Cutting edge OFDMA modulations up to QAM-1024: Up to 3 Gbps connectivity (2.4 Gbps (2X2 5 GHz) + 0.6 Gbps (2X2 2.4 GHz mode)
- Explicit beamforming (with compressed feedback)
- LDPC / TX STBC / DL Multi User MIMO; DL & UL MU-OFDMA
- Energy saving Target Wait Time (TWT)
- Efficient high user & device density with 802.11ax BSS Coloring / Spatial Reuse
- No limits are placed on number of users or devices

Networking
- IPv4 & IPv6 (stateful + auto-configuration)
- DHCP server / client / relay (IPv4, IPv6)
- Multi-Tenancy (VRF)
- IPv4 & IPv6 tunneling
- Network address translation (NAT)
- Multi-cast
- VLAN

Routing
- BGP
- RIPv1, RIPv2
- OSFP
- VXLAN

IP Services
- QoS
- DHCP (Client & Server)
- NTP, global time zone, cellular tower time synchronization

Connectivity
- Ethernet, VDSL, Bluetooth tethering, Wi-Fi hotspot,
- cellular 5G/4G/LTE, multiple cards (with failover & healthcheck)
- HTTPS, SSHv2; optional HTTP, Telnet, & SSHv1
- Device View Options
- Tree, Table, Geo Map, Node, & WEB Interface with search

Device View Options
Tree, Table, Geo Map, Node, & WEB Interface with search

Data Logging & Notifications
- Local port buffering: 20 MB per port
- Local, NFS, syslog, off-line data logging
- Timestamp & rotation for data logging
- Event destination: email, syslog, local, syslog, email, ZPE Cloud, Splunk & more
- Notification: syslog, email, ZPE Cloud, Splunk & more

System Management
- Extensible, automated control based on actionable real-time data
- Web GUI management portal, web console, Command Line Interface (CLI), Linux root shell, SNMP, RESTful API
- Zero Touch Provisioning (ZTP) via LAN/DHCP, WAN/ZPE Cloud, USB for configuration & firmware updates
- Multiple & customizable user levels of access
- Auto-discovery via network scan & custom probes SNMPv1,v2 & SNMPv3-v1 IPv4/IPv6 with MD5, SHA-224, SHA-256, SHA-384, SHA-512, DES, AES-192, AES-256
- Orchestration integration & automation: Puppet, Chef, Ansible, RESTful, ZPE Cloud & Nodegrid Cluster Feature / Manager
- File sharing via FTP, NFS, SSHFS, Windows Sharing, web file browser, ZPE Cloud
- Remote Procedure Call (RPC, gRPC)
- NetFlow, LLDP

Security
- Hardened device with BIOS protection, TPM 2.0, UEFI secure boot, signed OS, geofencing
- X.509 SSH certificate support, 4096-bit encryption keys
- Selectable cryptographic protocols for SSH Open SSL3 & HTTPS (TLSv1.3, TLSv1.2, TLSv1.1)
- Selectable cypher suite levels: high, medium, low, custom
- IPsec, WireGuard, OpenSSL VPN with support for multi-sites
- Local, AD/LDAP, RADIUS, TACACS+, Kerberos authentication
- SAML2 SSO, DUO, Okta, Ping Identity, ADFS
- Two-factor authentication with RSA & DUO
- Local, backup-user authentication support
- User-access lists per port
- Group/role-based authorization: AD/LDAP, RADIUS, TACACS+, Kerberos
- Fine-grain & role-based access control
- Firewall: IP packet & security filtering, IP forwarding support
- MD5 / SHA system configuration checksum
- System event logging to file, syslog, email, ZPE Cloud, Splunk & more
- Custom security settings
- Strong password enforcement, Fail2ban

Operating System
Built-in x86_64bit Linux Kernel Nodegrid OS

Warranty
2-Year Limited Warranty

Power Specifications
- +12 VDC locking barrel jack, external desktop PSU w/ regional AC cord options
- Redundant power input (optional)
- Power consumption: 45W typical
- AC Power adapter (add-on), 100-240V~, 1.2A, 50-60Hz,
- Operating temperature: -25ºC – 60ºC

CPU & Storage
- Intel x86_64 Quad-Core
- 16GB Self Encrypted Disk (SED)
- 16 GB DDR4 DRAM

Physical
- Front/Rear Mounting Brackets
- Size (L X W X H): 200 X 256 X 44.00 mm (7.87 X 10.08 X 1.73 in)
- Weight: 1.3 kg (2.8 lb)
- Shipping Weight: 2.1 kg (4.6 lb)
- Shipping (L X W X H): 412 X 293 X 77mm (16.2 X 11.5 X 3.0 in)

Environmental
- Operation: 0 to 40º C (+32 to 104º F), 5-95% RH, non-cond.
- Storage: -40 to 70º C (-40 to 158º F), 5-95% RH, non-cond.

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Best Sellers

Channel SKU	Description	CPU	Memory	Power	Special
ZPE-HSR-48-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.	4 Cores	8GB	AC Adaptor	Base
ZPE-HSR-48-5G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 5G/LTE (CAT20) radio with dual-SIM. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.	4 Cores	8GB	AC Adaptor	5G
ZPE-HSR-48-4G-W5-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) radio with dual-SIM, Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas, dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.	4 Cores	8GB	AC Adaptor	4G Wi-Fi Second Storage
ZPE-HSR-816-4G-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.	8 Cores	16GB	AC Adaptor	4G Second Storage
ZPE-HSR-832-5G-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN-2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 5G/LTE (CAT20), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.	8 Cores	16GB	AC Adaptor	5G Second Storage

Support

Channel SKU	Description
ZPE-HSR-ALL-EW1G	ZPE Systems Nodegrid Hive SR. 1Y 24X7 Gold Upgrade Support
ZPE-HSR-ALL-EW2G	ZPE Systems Nodegrid Hive SR. 2Y 24X7 Gold Upgrade Support
ZPE-HSR-ALL-EW3G	ZPE Systems Nodegrid Hive SR. 3Y 24X7 Gold Upgrade Support
ZPE-HSR-ALL-EW5G	ZPE Systems Nodegrid Hive SR. 5Y 24X7 Gold Upgrade Support

info@zpesystems.com   **zpesystems.com**   **+1.844.4ZPESYS**

Ordering Information

Channel SKU	Description
ZPE-HSR-48-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-4G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) radio with dual-SIM. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-4G-W5-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) radio with dual-SIM, Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-4G-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) radio with dual-SIM, dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-4G-W5-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) radio with dual-SIM, Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas, dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-W5-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-5G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 5G/LTE (CAT20) radio with dual-SIM. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-5G-D128G-GW	**ZPE Systems Nodegrid Hive SR** - WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 5G/LTE (CAT20), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-4G5G-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) & 5G/LTE (CAT20), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-48-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 8GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.

March 26, 2025   HSR Datasheet

A brand of

Ordering Information

Channel SKU	Description
ZPE-HSR-416-4G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12). AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-4G-W5-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-4G-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-4G-W5-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas, dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-W5-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-5G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 5G/LTE (CAT20). AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-5G-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 5G/LTE (CAT20), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-416-4G5G-D128G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 4-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) & 5G/LTE (CAT20), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-816-4G-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12). AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-816-4G-W5-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.

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ZPE-HSR-816-4G-D128G-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
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ZPE-HSR-816-5G-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 5G/LTE (CAT20). AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-816-W5-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
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ZPE-HSR-816-4G5G-D128G-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 16GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12) & 5G/LTE (CAT20), dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-832-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 32GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-832-4G-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 32GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12). AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-832-4G-W5-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 32GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-832-4G-W5-D128G-GW	ZPE Systems Nodegrid Hive SR -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 32GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12), Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas, dedicated 128GB Disk2 for VM/Docker applications. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.

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ZPE-HSR-832-W5-GW	**ZPE Systems Nodegrid Hive SR** -WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 32GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, Wi-Fi 5 (866Mbps 2X2 dual stream 802.11ac) & antennas. AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
ZPE-HSR-832-4G-D128G-GW	**ZPE Systems Nodegrid Hive SR** - WAN: 2X GbE on shared RJ45/SFP, LAN/WAN: 2X 10 GbE SFP+, LAN: 4X 2.5GbE RJ45, x86_64, 8-Core Intel CPU w/ QAT, 32GB DDR4, 16GB storage, 2X USB 3.0, Bluetooth, Console on shared USB/Serial, 4G/LTE (CAT12). AC power adapter included. Gateway mode zero-touch out-of-box operation. Includes 90-day ZPE Cloud License. Go to ZPEcloud.com to activate. Purchase ZPE-CLOUD-SUB1Y-025 for 1-year license for 25 devices.
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