ZEDEDA Lanner VyOS

Secure Industrial IoT Router

Secure industrial IoT router that consolidates network and application functions with other services

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Modern Industrial Router Requirements

As critical industrial control systems become increasingly interconnected, the inherent challenges in security and complexity are becoming more apparent. Many OT systems are mission-critical and cannot afford security breaches or lengthy deployments and downtimes. Implementing the best tools for the job is essential by consolidating various industry-leading technologies to simplify deployment, management, monitoring and security.

Core Solution Functions

Routing- IPv4 and IPv6, static and dynamic (BGP, OSPF, RIP), Policy-Based Routing

Interconnects-802.1q VLAN, 802.1ad QinQ, IPsec, DMVPN, VTI, GRE, L2TPv3, VXLAN, WireGuard and more

Remote User VPN- OpenVPN, L2TP/IPsec, PPTP

Monitoring- SNMP, NetFlow, sFlow, Syslog

Automation- Ansible, SaltStack, Python, REST API

99.9%
High Availability- LACP, load balancing, VRRP.

Cost
Lower Cost- than traditional industrial routers and with more capability.

Key Benefits

● **Consolidating workloads** at the edge to optimize infrastructure investment

● **Optimizing network** infrastructure and secure data transfer to maximize uptime and safety for critical processes

● **Simplified network** management processes and application deployment

● **Industry-leading OT** and IoT data protection

● **Future Proof** - easily add features, patches & new functions remotely

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Key Considerations

Modern Industrial Networks- Efficiently deploying industrial IoT networks while maintaining security for both legacy and modern IoT devices can be a daunting and time consuming task. By using an open x86 hardware platform with TPM, and ZEDEDA's open foundation for orchestration, you can easily deploy any number of additional features, security measures and edge processing through virtual machines and containers. This fast-tracks centralized reporting, management, deployment and orchestration—all while future-proofing the solution with simple plug-and-play upgrades.

Lanner

Open x86 industrial edge hardware platforms with extensive I/O, including wireless (LTE/WIFI)

LEC-7242, LEC-6041

ZEDEDA

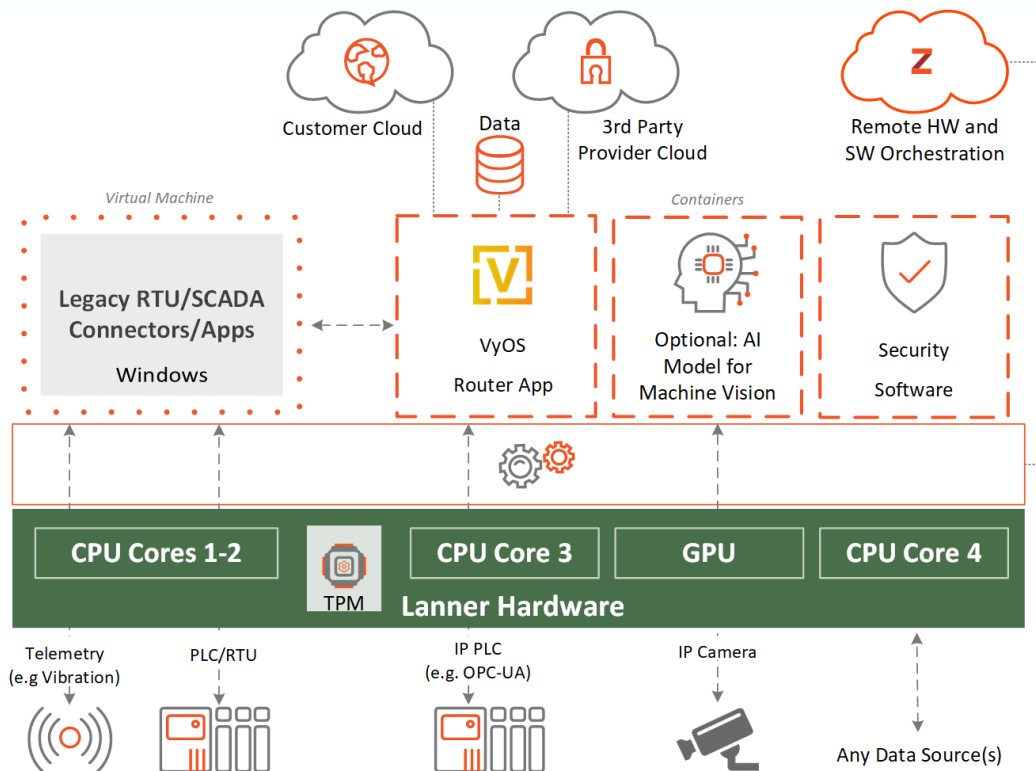IoT Edge Orchestration built with an open foundation that future-proofs and fast-tracks connected operations.

More Info

VyOS

High performance, featureful, low overhead, reliable software router with redundancy capabilities.

More Info

Solution Architecture

Modern Secure Industrial IoT architecture with legacy compatibility

Secure your Industrial IoT Network Today.

An ecosystem built on an open foundation is critical for success in our increasingly connected, data-driven world. ZEDEDA provides a consistent device and app orchestration foundation for our growing ecosystem of technology and services partners. Together with our partners, we can help you accelerate your IoT and Edge projects to solve business challenges.

Contact us at sales@zededa.com to learn more about this solution brief and how we can help you with your digital transformation.

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