DeviceX

X Labs Innovations

Data Sheet

DeviceX

A Centrally-Managed Customizable SD-Branch

In today's dynamic business environment, agility and operational efficiency are key to success. X Labs Innovations' new **DeviceX** platform delivers an innovative "**Branch-in-a-Box**" solution that consolidates essential networking, security, and application services into a single, compact device.

DeviceX is engineered to enable rapid deployment of business locations and branch offices, allowing you to get up and running faster than ever before. By converging critical capabilities such as SD-WAN, firewall, core network services, **virtual workloads**, and a hosting platform, **DeviceX** simplifies branch infrastructure and reduces the need for multiple hardware appliances.

The low-power, compact design of **DeviceX** means it can be easily installed with minimal space and cooling requirements, making it the ideal solution for space-constrained environments. And with its modular architecture, you only pay for the capabilities you need, optimizing your IT investments.
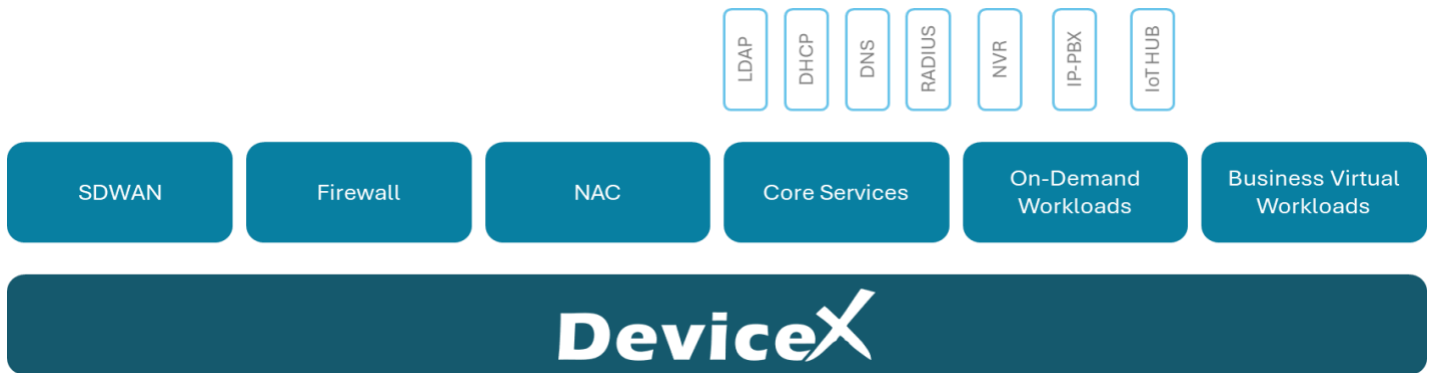
DeviceX powered by **StackX** state-of-the-art Management Platform provides your business with centralized management and orchestration enabling you to deploy new modules remotely with a click-of-a-button, schedule automated tasks, and create orchestration workflow for advanced configuration and be attentive to your business around the clock.

Whether you're expanding to new markets, updating aging infrastructure, or seeking to streamline branch operations, DeviceX empowers your business with the agility and operational efficiency to stay ahead of the competition. Experience the power of an all-in-one SD-Branch solution that redefines what's possible from a single device.

Key Features

- Zero Touch Provisioning.
- Fast Deployment.
- Virtual Workloads
- Advanced capabilities (QoS, Multi-path policies, Link Load Balancing and many more).
- Agile Architecture Point-to-Point, Hub & Spoke, or Site to Site VPN.
- On-Demand Features from growing catalog.
- Centralized Management & Automation.
- Native Software Defined Architecture.
- Hardware Agnostic.

Components and Capabilities

LDAP	DHCP	DNS	RADIUS	NVR	IP-PBX	IoT HUB

SDWAN	Firewall	NAC	Core Services	On-Demand Workloads	Business Virtual Workloads

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SD-WAN
Redefine WAN Agility

DeviceX SD-WAN delivers comprehensive networking capabilities to empower branch agility and resilience. Intelligent traffic load balancing optimizes performance by dynamically routing traffic across multiple WAN links. Automated connection failover ensures business continuity with seamless failover, while granular traffic shaping prioritizes mission-critical applications. These features create a reliable, high-performance, and adaptable wide-area network for branch locations.

Firewall
Ironclad Branch Security

Stateful packet inspection engine monitors and maintains context-aware sessions, ensuring seamless tracking of TCP/UDP connections. The flexible port-based access control lists allow administrators to permit or deny traffic based on well-known service ports, enabling fine-grained regulation of network access. Additionally, the firewall's protocol-aware filtering capabilities can identify and selectively handle traffic from specific network protocols, to enforce granular tailored security policies.

NAC
Gain Total Control

DeviceX NAC empowers total control over branch network access. Robust device visibility and profiling enable policy-driven access management. Contextual authentication, authorization, and accounting ensure only authorized users and devices can connect. These capabilities deliver comprehensive security, compliance, and operational oversight for the distributed enterprise.

Core Services
Foundation for Seamless Branch Operations

The DeviceX Core Services provide the essential networking building blocks for seamless branch operations. Integrated LDAP authentication, DNS, DHCP, and RADIUS services deliver unified identity management, name resolution, IP address assignment, and secure access control - establishing a reliable foundation for branch connectivity and security.

On-Demand Workloads
Unleash Branch Agility

DeviceX On-Demand Virtual Workloads encompass a suite of essential branch services, including Network Video Recording (NVR) for intelligent surveillance, IP-PBX for unified communications, and an IoT Hub for seamless device integration. These virtualized components empower branches with tailored, scalable capabilities that drive operational efficiency, employee productivity, and

Business Virtual Workloads
Trusted Home for Your Business Workloads

The DeviceX Business Workloads Hosting Platform provides a secure, reliable, and high-performance environment for running mission-critical applications and services. Featuring enterprise-grade infrastructure, advanced monitoring, and seamless scalability, this hosting solution ensures the availability, performance, and protection of essential business workloads - empowering

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www.xlabsinnovations.com inquire@xlabsinnovations.com

business intelligence - elevating the agility and competitiveness of distributed enterprises.

distributed enterprises with the confidence to focus on strategic priorities.

Features and Usability

The modular design of the DeviceX platform enables organizations to tailor the solution to their unique requirements. Businesses can handpick the specific capabilities they need, ranging from advanced SD-WAN networking and robust firewall security to on-demand virtual workloads and a secure hosting environment for critical applications. This flexibility allows distributed enterprises to build a DeviceX deployment that aligns perfectly with their branch operations, IT infrastructure, and strategic objectives. By selecting the right combination of DeviceX modules, organizations can optimize their branch connectivity, enhance employee productivity, strengthen security posture, and drive overall business agility - all through a cohesive, centrally managed platform. The modular approach empowers DeviceX customers to create a truly customized solution that addresses their distinct challenges and helps them stay ahead of the competition.
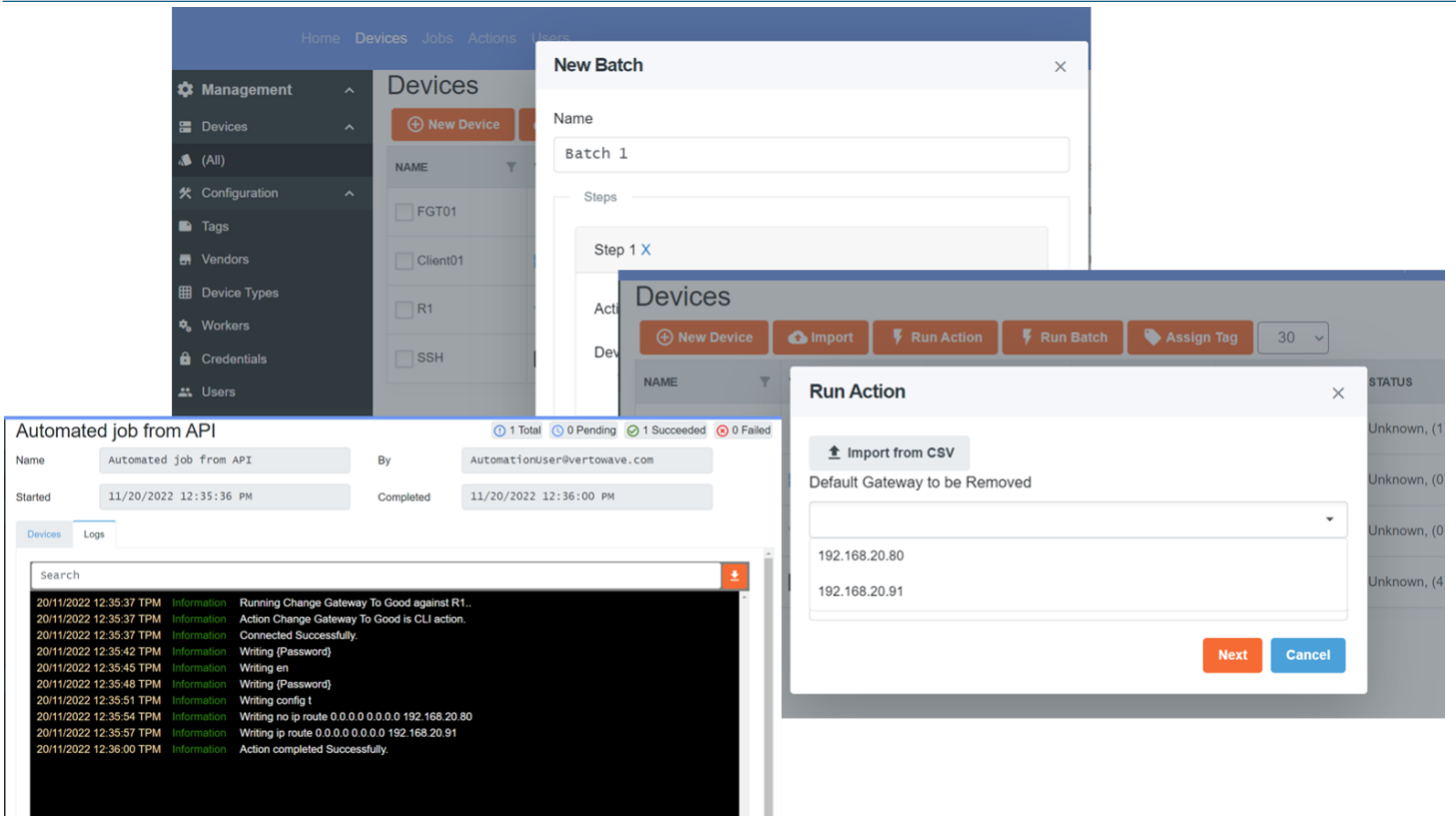
Centralized Management and Monitoring

The DeviceX platform's centralized monitoring and management capabilities are a key strength, enabling distributed enterprises to maintain complete visibility and control over their branch infrastructure. From a single pane of glass, IT administrators can seamlessly enable or disable specific DeviceX modules based on changing business needs, ensuring the solution remains optimized and aligned with evolving requirements. This centralized management extends to configuration changes, allowing administrators to rapidly update settings, policies, and parameters across all branch locations with a few clicks. Additionally, the platform's robust monitoring and analytics features provide deep insights into resource utilization, performance metrics, and potential issues, empowering proactive issue resolution and capacity planning.

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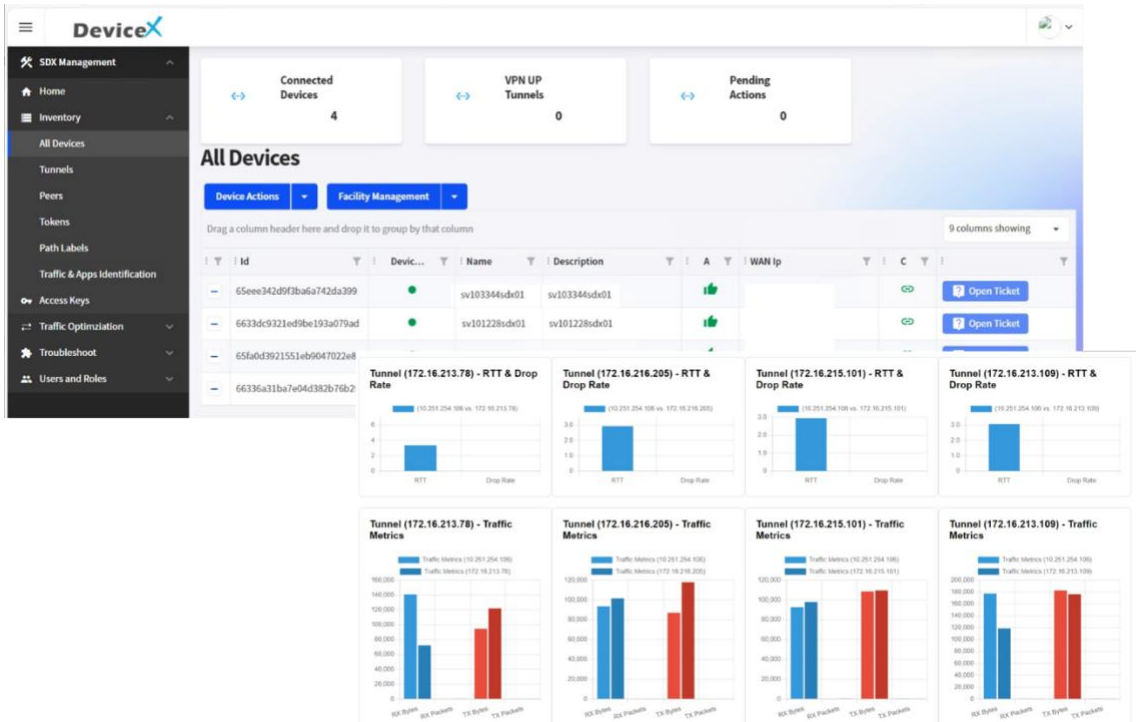
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By consolidating the management of their dispersed DeviceX deployments, organizations can drive greater operational efficiency, ensure consistent policy enforcement, and maintain a secure, high-performing, and adaptable branch network - all while minimizing the burden on IT teams.

StackX Automation and Orchestration

The integration of DeviceX with StackX Automation and Orchestration unleashes unprecedented levels of agility and efficiency for distributed enterprises. By harnessing the power of StackX's advanced automation capabilities, organizations can streamline the management of their DeviceX deployments across multiple locations. Administrators can leverage StackX to define automated workflows that monitor key performance indicators, detect anomalies, and trigger pre-configured actions in response. This could include automatically scaling virtual workloads to meet surging demand, dynamically adjusting SD-WAN traffic routing to optimize performance or deploying security updates to firewall policies in real-time. The seamless integration between DeviceX and StackX enables a truly proactive and self-healing branch infrastructure, where the network and services automatically adapt to changing conditions.

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By unleashing the power of intelligent automation, enterprises can free up valuable IT resources, ensure business continuity, and drive continuous improvements in operational efficiency, security, and user experience - all while maintaining a centralized, cohesive, and responsive branch network powered by DeviceX.

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DeviceX Specifications

DeviceX comes with different SKUs to provide your business with its actual needs to accommodate the requirements of each branch.

Specs	Item	Entry-Level	Mid-Range	Flagship
Platform	CPU	Intel® Core™ i3	Intel® Core™ i5	Intel® Core™ i7
	Chipset	Intel® C236	Intel® C236	Intel® C236
	Memory Technology	DDR4	DDR4	DDR4
	Memory Capacity	32GB	64GB	128GB
	Memory Socket	4x 288-pin DIMM	4x 288-pin DIMM	4x 288-pin DIMM
	VPN Throughput	Up to 250 Mbps	Up to 750 Mbps	Up to 1 Gbps
	Form Factor	Desktop	Desktop	1 U Rack Mounted
Storage	SATA Storage	2 x 4TB	2 x 4TB	2 x 8TB
	NVMe	1 x 256GB	2 x 128GB	2 x 256GB
I/O	Ethernet Controller	Intel® i210 or i350-AM4	Intel® i210 or i350-AM4	Intel® i210 or i350-AM4
	Default LAN	4 x GbE RJ45	8 x GbE RJ45 2 x SFP+	8 x GbE RJ45 4 x SFP+
	Console	1 x RJ45	1 x RJ45	1 x RJ45
	USB2.0	2 x Type A	2 x Type A	2 x Type A
	IPMI via OPMA Slot	Yes	Yes	Yes
	TPM	Yes	Yes	Yes
Power & Mechanical	Power Input	AC 90V~264V @47~63Hz	AC 90V~264V @47~63Hz	AC 90V~264V @47~63Hz
	Type/Watt	300W 1 + 1 ATX	300W 1 + 1 ATX	300W 1 + 1 ATX Redundant PSUs