blazeAI-WFH™

AI-Automated Work From Home Enterprise Access Network

neutrino8™

Purpose-Built, Enterprise-Class Work from Home Solution for the New Virtual Workspace

The coronavirus pandemic has precipitated a seismic shift in the corporate workplace by suddenly forcing an unprecedented number of employees worldwide to work from home (WFH). Although the pandemic may have served as an accelerant, for many enterprises, the shift to more employees working from home will remain permanent.

The digital transformation of the corporate workplace on such a massive scale is not without challenges. Companies must ensure hundreds, or even hundreds of thousands of remote workers have secure access to the corporate network. At the same time, enterprises must maintain the same level of security and control they currently have. For companies to successfully navigate this digital transformation without forgoing the dramatic cost savings gained from doing so, an entirely new approach is required.

The New Virtual Workplace: A Digital Transformation

neutrino8: Built to Work for Work from Home

AI-driven, virtualized, hardware-agnostic and Cloud-delivered, neutrino8's uniquely innovative enterprise-class Work from Home Solution delivers secure, automated wireless network orchestration anywhere. Companies can securely and reliably provide, and fully control, their WFH employee's connectivity to enterprise assets, all while reducing enterprise access networking OPEX by up to 90% and CAPEX up to 30x.

neutrino8's solution is easily pre-configured with your existing corporate network security and connectivity settings. With neutrino8, a WFH employee's corporate network access is physically partitioned and firewalled from the employee's personal home wireless network and controlled at any time by the enterprise IT network administrator. The neutrino8 system provides anytime proactive and predictive analytics and delivers software updates remotely as needed.

Remote workers simply plug an enterprise-grade neutrino8-enabled Wi-Fi access point, pre-configured and provided by their organization, into their existing internet connection to immediately experience the same seamless, consistent, and secure connectivity they do in their corporate offices.

The employee's work devices normally used in the corporate office workplace environment, including office-issued computers, BYOD tablets, phones, and more, are automatically authenticated and connected to the enterprise's newly extended virtual wireless access network, with the same strict security settings and authorized user accounts.

With neutrino8, the digital transformation of the workplace is not just possible, it's a competitive advantage.

Key Features and Specifications:

AI-CORE REACTIVE, PROACTIVE AND PREDICTIVE LIGHTS-OUT OPERATION

- Algorithmic wireless environment optimization and self-healing network

- Continuous monitoring for dynamic optimization of user quality of experience (QoE)

- Lights-out operation with accelerated time-to-insight for IT support staff

- Easy to deploy and use with zero touch provisioning — automatically pre-configured by IT for employees to plug into their existing home Wi-Fi networks and just go

- Always controlled by the corporation's central IT/network administrators

- Optional seamless integration between the neutrino8 orchestrated WFH secure access networks and any existing corporate NMS systems using RESTful API

AUTOMATED CLOUD SERVICES ORCHESTRATION AND DELIVERY SOFTWARE PLATFORM

- Dynamically and multi-dimensionally scalable

- Remote software upgrade with software version management

- Multi-tenant, multi-site, multi-sub location-ready architecture, at local, provincial, regional, and multi-national levels

- Effortless scalability to provision additional remote WFH employees as needed

HARDWARE AGNOSTIC EXTENSIBLE SDN FRAMEWORK

- Wi-Fi SoC independence: support of the industry's leading reference design SoCs

- Simultaneous Cloud operation and support of multiple enterprise-grade generic brands of indoor and outdoor Wi-Fi access points at sub-consumer pricing

- Singular provisioning, configuration and access point bring up, regardless of generic access point brand or SoC

ENTERPRISE GRADE SECURITY

- Seamless transition to secured WFH settings indistinguishable from the corporate office experience

- Built-in persistent VPN connections continuously secure employee's remote access

- Instantly, and automatically authenticate and connect authorized WFH employee work devices to enterprise networked assets and data

- Encrypted, secure, interactive, and reliable Wi-Fi access point to cloud communications

- RADIUS / WPA2 - Enterprise functionality

- Role-based access control

- Per SSID VLAN support

- NAT/Firewall-friendly

- Application level filtering and website blocking

- OAUTH 2.0 for social login

- Eduroam support option

- Client Separation support

REAL-TIME INTUITIVE VISUAL FRONT-END

- Seamless, single-pane-of-glass management portal and analytics dashboard for all APs in remote WFH employee locations and optionally in the corporate office

- Real-Time Monitoring, Control, and Insight

- Insight into how the enterprise Wi-Fi network extension is used within the employee work-from-home locations

- Continuous 24/7, real-time, customizable monitoring

- Rich diagnostics with dynamic, automated notifications

- Real-time visibility and insight

- Rich, extensive parameter data capture: per user, per device, per Wi-Fi access point

- Client DHCP fingerprinting

EASY WI-FI NODE PROVISIONING, CONFIGURATION AND DEPLOYMENT

- Network configuration templates for zero-touch provisioning

- Mobile app deployment option with instant cloud integration

- DFS Support

- Wireless Mesh support

RICH, INTUITIVE, INTERACTIVE ANALYTICS AND REPORTING

- Multi-level notifications

- Advanced, optional multi-level analytics and insights:

  - Per Wi-Fi AP dashboard: Wi-Fi AP name, MAC address, SSIDs, traffic stats, station type distribution, and more

  - Per location and custom grouping

  - Traffic trend lines, SoC distribution, Wi-Fi stations trend lines, traffic peak hours, Wi-Fi stations peak hours, and more

  - Wi-Fi access point usage and coverage analytics and trend lines

  - User bandwidth and traffic analytics per location, customized grouping and overall aggregation

Get started at **neutrino8.com**.