Datasheet

SnapOS

Secure, purpose-built endpoint OS for modern workspaces

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SnapOS is a secure, immutable, Linux-based endpoint operating system built for virtual, cloud, SaaS, and browser-based workspaces. It installs on most x86-64 (64-bit) UEFI or Legacy BIOS devices, including laptops, desktop PCs, thin clients, and miniform factor devices, or runs inside a virtual machine, and turns them into centrally managed endpoints. Users boot straight into a controlled workspace and connect to virtual desktops, remote applications, and SaaS tools. Every endpoint is managed through AmZetta zMAN Director, so IT can provision, configure, update, and support the whole fleet from one console.

Hardware Agnostic

If it runs a 64-bit x86 OS today, it runs SnapOS. Convert the PCs, laptops, and thin clients you already own, or deploy in a VM.

Immutable, Secure OS

Read-only Linux with no local data storage. No antivirus subscription, no OS patching, and no Windows licensing on converted endpoints.

Any VDI or DaaS

Native access to Citrix, Omnissa Horizon, Microsoft AVD, Amazon WorkSpaces, and RDS, plus SaaS apps in a built-in browser.

Zero-Touch Provisioning

Endpoints find their zDM relay at first boot using DHCP, DNS, or mDNS. No IT staff needed on-site.

Dual-Boot & Live Boot

Install alongside Windows or an existing thin client OS for a phased migration, or run a live session from a USB drive.

One Console

Provision, set policy, push firmware, run diagnostics, and give remote support from zMAN Director.

Secure by design

SnapOS keeps sensitive data off the endpoint. With an immutable, read-only OS and no local data storage, persistent malware risk is reduced and a clean reset between users is built in. Certificate-based network access, 802.1X authentication, and SCEP enrollment support compliance-driven deployments, and TPM-based or passphrase-based full disk encryption is available through zMAN Director.

Where SnapOS is deployed

Healthcare, financial services, education, manufacturing and logistics, retail, hospitality, call centers, and government. Shared workstations, kiosks, business-center terminals, and industrial HMI terminals all get the same locked-down endpoint and the same central control.

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SnapOS + zMAN Director

Capabilities, deployment, and requirements

Core capabilities

Virtual Desktop & Remote App Access

Single-click launcher for Citrix, Omnissa Horizon, Microsoft AVD, Amazon WorkSpaces, and RDS.

Browser & SaaS Access

Built-in lightweight browser for web apps, with no full Windows OS needed.

Firmware & OS Updates

Push SnapOS updates to any number of endpoints at once, with scheduled maintenance windows.

Policy & Profile Controls

Apply profiles, security policies, and certificates to a device, a group, or the full fleet.

Remote Diagnostics

WebSSH, NoVNC, and zDiag let IT resolve issues without a site visit or a VPN.

Display & Peripherals

Manage multi-monitor setups, audio, USB access, and input behavior centrally.

Network & Wi-Fi

Wired Ethernet and 802.11 wireless, configured through central policy

Power & Session Management

Power schedules, auto-lock, session timeouts, and reboot workflows.

Deployment methods

USB install or live boot | PXE network boot for hundreds or thousands of devices | **MSI via SCCM or Intune | Dual-Boot Deployment** alongside Windows or an existing thin client OS | Virtual machine with the same management as bare metal.

Managed by zMAN Director

zMAN Director is the management server and console. zDM is the smart proxy that handles endpoint communication, provisioning, and firmware caching. zID is the built-in identity provider, with OIDC, OAuth 2.0, and SAML 2.0, SSO and MFA, and federation to LDAP, AD, RADIUS, and TACACS. Deploy on-premises, cloud-hosted, with public zDM relays, or across multiple sites. An outbound reverse tunnel means no inbound firewall rules and no VPN, and fully air-gapped environments are supported. Zero-touch enrollment scales to 1,000+ simultaneous endpoints

Technical requirements

CPU architecture	x86-64 (64-bit); UEFI or Legacy BIOS
Memory	4 GB RAM minimum
Storage	8 GB minimum (HDD, SSD, or eMMC)
Network	Wired Ethernet or 802.11 wireless
Display	Standard VGA, HDMI, or DisplayPort output
Virtual machine	Supported; same minimum requirements apply

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