DATASHEET

LEAF OS Software Endpoint

Realistic BYOD; Aging computer revitalization.

Deliver secure virtual desktops without new hardware investments.

LEAF OS by *NComputing* is a small Linux-based operating system providing the basis for thin client computing. It enables users to securely access virtual desktops using their personal computers, including out-of-date x86-64 PCs and laptops.

Deployable in two different configurations, LEAF OS gives you both permanent and temporary access to secure computing environments. First LEAF OS can be run from a USB drive. USB booting leaves the user's existing operating system, files, and hard drive untouched while providing an ideal environment for work-from-home use cases. When users finish their work, a simple reboot to their native OS restores their device to personal use. A permanent installation of LEAF OS can be made on the hard drive.

LEAF OS devices are managed by PMC Endpoint Manager, empowering IT administrators to manage all devices from a browser including LAN and WAN network deployments, locations behind firewalls and NAT-routers.

LEAF OS is optimized for Citrix, Amazon Workspaces, Omnissa Horizon, Microsoft Azure Virtual Desktop (AVD), Windows 365 Cloud PC, Microsoft Remote Desktop Services (RDS), vSpace Pro Enterprise, VERDE VDI, and other popular DaaS and VDIs.

LEAF OS includes select local applications on the device, not through a virtualization platform. Direct access to the web via the **Chromium Browser** eliminates virtualization lag. **Microsoft Teams** and **Zoom** both benefit from direct audio/video relay eliminating common concerns of web conferencing through virtual platforms. LEAF OS controls both the availability of these apps and their deployment method, with Guest Mode an option for Kiosk-like use.

WHY USE LEAF OS?

- **EXTEND HARDWARE LIFESPAN:** Breathe new life into aging Windows 10 PCs, laptops, and thin clients converting them into secure, high-performance endpoints running Windows 11 on-prem or in the cloud. This approach supports sustainability, reduces e-waste, and eliminates the need for significant capital investments during cloud migration.
- **EASY ACCESS TO DESKTOP VIRTUALIZATON ENVIRONMENTS:** Complete access to cloud hosted and server-based infrastructure.
- **SECURE COMPUTING:** The fully locked-down Linux platform is secure, protecting users against 3rd party applications, common threats, and data leakage.
- **WORKING WITH PERSONAL DEVICES & BYOD:** Booting to a ***LEAF OS*** USB stick with any PC/laptop. Provides simple, secure, access to virtual desktop environments. Newer devices may require drivers.
- **CENTRALLY MANAGED; REDUCE MAINTENANCE & SIMPLIFY:** Push configurations and updates to a ***LEAF OS*** USB stick or device via a centralized management platform. All user data is stored on the server, simplifying backups..
- **EXPAND USB CAPABILITIES:** Extensive peripheral support for webcams, audio, printers, mass storage, touch screens, smart card readers and more.

Compatibilities

Citrix

- Citrix DaaS
- Citrix Virtual Apps and Desktops 71808 +
- Citrix StoreFront 3.0 +, StoreFront 1811 + (including connections through Citrix Gateways)
- Citrix XenApp/XenDesktop 7.6 +
- Citrix Web Interface 5.4

NComputing

- VERDE VDI and VERDE Remote Access 8.2.7 +
- vSpace Pro Enterprise 12.5.2 +

Microsoft

- Azure Commercial Cloud (ARM-based and Classic)
- Azure U.S. Government Cloud
- Windows 365 Cloud PC
- Remote Desktop Services (RDS)
- Windows Server 2008 R2, 2012 R2, Multipoint Server 2012, 2016, 2016 Multipoint Services, 2019, 2022, 2025
- Windows 7, 8.1, 10, 11

Omnissa

- Omnissa Horizon Cloud
- Omnissa Horizon 8 (2006 +)
- Omnissa Horizon 7.13 +

Dizzion Frame

Parallels RAS

- Parallels RAS Core 20.1 +

Virtual Cable

- UDS Enterprise 4.0 +

30-DAY FREE TRIAL

We are offering a free 30-day trial of LEAF OS. Go to www.ncomputing.com, login to your account (or create a free one) and download LEAF OS.

WHO SHOULD USE LEAF OS?

- Decisions to make because of Windows 10 reaching the end-of-life such as upgrading to a current Windows OS without replacing existing hardware.
- Organizations that plan to adopt or have a deployment with a supported platform.
- WFH initiatives that require secure access to important files, data, and Windows applications from anywhere.
- Concerns about manageability, security, scalability, and corporate data leakage.
- Aging PCs or x86 thin clients and wish to repurpose them to prolong their useful life. Avoided the dreaded PC refresh cycle and want thin clients.
- A desire for a simplified IT platform on which to run your business.

Features[1]

- Multi-Factor Authentication (MFA)
- RemoteApps and RemoteDesktops
- Regular vs. Kiosk mode auto-login
- Microsft Teams optimization in Citrix, Omnissa Horizaon, AVD, Windows 365, RDP, and UDS Enterprise sessions.
- Zoom optimization, Browser Content Redirection, and Multimedia Redirection in Citrix and Omnissa Horizon sessions.
- Peripheral devices
  - USB webcams, network printers and mass storage devices
  - USB smart card reader, security keys and serial port devices
  - Digital (HDMI, DisplayPort, S/PDIF), analog, and USB audio
- Native multi-display support with independent screen rotation
- Local applications including Chromium browser, Microsoft Teams PWA and Zoom

SUPPORTED MANAGEMENT SYSTEMS

PMC Endpoint Manager

An admin can remotely manage LEAF OS devices over local and wide-area networks, including locations behind firewalls and NAT-routers through an easy-to-use, web-based user interface. PMC comes with automatic discovery, check-in and configuration provisioning of new devices making deployment easy. Administrators can setup device profiles complete with all settings and configurations, then push the profile to individual or grouped devices. Only a few clicks are needed to schedule device firmware updates, access the summary dashboard or view the detailed events log. Users are easily kept up-to-date.

vSpace Console[2]

An admin can manage a subset of LEAF OS device configurations for LEAF OS related to vSpace configuration parameters, and provide integrated user session management of LEAF OS devices. For full LEAF OS feature set management and software/firmware update capability, PMC Endpoint Manager software is required.

ITEM	DESCRIPTION
MINIMUM HARDWARE REQUIREMENTS	• Standard x86-64 compatible processor, based on either BIOS or UEFI motherboard firmware with USB boot support. • 2GB RAM[3] • 8GB of internal storage
VIRTUAL PLATFORM SUPPORT	The following platforms are supported by LEAF OS. • Amazon WorkSpaces • Citrix • Microsoft AVD • Windows 365 Cloud PC • Microsoft RDS • Omnissa Horizon • VERDE VDI and VERDE Remote Access • vSpace Pro Enterprise • Dizzion Frame • Parallels RAS • Virtual Cable UDS Enterprise
INCLUDED LOCAL APPLICATIONS	LEAF OS also comes with integrated local applications support for extended functionality without solely relying on the desktop virtualization environment. Local applications can be accessed in stand-alone 'Local Applications', 'Amazon Workspaces', 'Citrix Client','Omnissa Horizon Client','AVD Client', 'RDP Client' and other DaaS and VDI device operation modes.. ***Chromium Browser, Microsoft Teams, Zoom***
VPN CLIENTS	• OpenVPN • OpenConnect VPN • PPTP • IPSec (L2TP and IKEv2) • FortiClient SSL VPN
BOOT METHODS	• USB thumbdrive | default • Internal drive (HDD, SSD, eMMC, NVMe) | optional • Secure Boot supported on LEAF OS x64 devices
MANAGEMENT SYSTEMS	• PMC Endpoint Management • vSpace Console (for vSpace Pro Enterprise only)
LICENSING	Licensing varies based on the virtual platform being used. Please consult the specific platform licensing documentation for further information • LEAF OS KB articles on Licensing

[1] May vary by platform.
[2] vSpace Console is only available for vSpace Pro Enterprise users.
[3] 4GB of RAM is required for use cases relying heavily on local Linux applications.

400 Concar Drive, 4th Floor | San Mateo, CA 94402 | 1.650.409.5959 | *info@ncomputing.com* | *www.ncomputing.com*

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