

Features

- Quadcore Broadcom BCM2712 (ARM Cortex-A76) 2.4GHz 64-bit CPU
- 16GB eMMC; RX540 (4GB RAM) and RX580 (8GB RAM)
- Optimized for Citrix (Virtual Apps and Desktops), Omnisca Horizon, Microsoft (RDS, AVD, Windows 365), and NComputing (VERDE VDI, VERDE Secure Browser, VERDE Remote Access, vSpace Pro Enterprise).
- Local Chromium browser and Microsoft Teams PWA for direct access without a full VDI desktop
- Dual monitors HDMI ports up to 3840x2160 @30hz
- USB 3.0 (2 ports) and USB 2.0 (2 ports) with transparent redirection
- Built-in 5GHz and 2.4GHz 802.11 b/g/n/ac Wi-Fi with Personal and Enterprise 802.1x security
- 10/100/1000 Ethernet (RJ45 port)
- Integrated VPN support (OpenVPN, OpenConnect, FortiNet, IPsec and PPTP)
- 3.5mm audio jacks (audio-in and audio-out ports)
- Built-in Kensington security slot for added protection
- Power button with sleep mode support
- VESA mount kit included

Hardware SKUs

- RX540: (SKU: 500-0256) 4GB of RAM
- RX580: (SKU: 500-0257) 8GB of RAM

Licensing

RX540/580 devices include:

- Activated, non-transferable LEAF OS perpetual license
- 1-year of Device AMP coverage (software updates & support)
- PMC Endpoint Manager

DATASHEET

RX-series: RX540, RX580

High-Performing, Affordable Endpoint Solutions built on Raspberry Pi CM5 for Citrix, Omnisca Horizon, RDP, AVD, Windows 365 Cloud PC, and NComputing Desktop Virtualization Platforms.

The RX540 and RX580 thin clients provide optimized connectivity to multiple virtualization platforms. Leveraging the Raspberry Pi Compute Module 5, they offer excellent performance and value. Features include 4K Ultra HD video, dual monitor ports, gigabit Ethernet, Wi-Fi, and broad peripheral support.



Support for diverse desktop virtualization and remote access solutions:

- **Citrix Ready Certified:** Virtual Apps and Desktops featuring:
 - Microsoft Teams Optimization
 - Browser Content Redirection (BCR)
- **Omnisca Ready Certified:**
 - Omnisca Horizon (Omnisca Blast and PCoIP protocols)
- **Microsoft:** Remote Desktop Services (RDS), Azure Virtual Desktop (AVD) and Windows 365 Cloud PC featuring:
 - Microsoft Teams Optimization
- **NComputing:** VERDE VDI, VERDE Secure Browser, VERDE Remote Access, and vSpace Pro Enterprise.

Powered by LEAF OS for Raspberry Pi 5:

LEAF OS is our small Linux-based operating system designed specifically for secure, high-performance access to virtual desktops and cloud workspaces. Flexible in its deployment, LEAF OS enables user access to multiple virtual desktop platforms from thin clients and personal computers.

PMC Endpoint Manager: Central management & express deployment

RX540/580 devices are easy to configure using PMC Endpoint Manager software. Remotely manage devices over local and wide-area networks, including locations behind firewalls and NAT routers, through an easy-to-use web-based user interface. Define multiple device profile configurations, push to individual or grouped devices, and schedule firmware updates. A dashboard overview and detailed event log provide valuable information about your deployment. Easy to use for smaller organizations, yet powerful enough to manage large cross-organizational deployments across multiple geographic locations.

Local Browser and PWA (Progressive Web Application) support

RX540/580 includes a local Chromium that runs on the device, not through a virtualization platform. Direct access to the web via the Chromium browser eliminates virtualization lag. Microsoft Teams PWA benefits from direct audio/video relay, eliminating common concerns of web conferencing through virtual platforms. LEAF OS controls these apps' availability and deployment method, with a Guest Mode option for Kiosk use.

Single or Dual Monitor configurations

The two HDMI ports allow it to be configured as a single display with a resolution of up to 4K @ 60Hz or a dual display configuration of up to 4k@30Hz. NComputing recommends a maximum resolution of 2560x1600 @30Hz for dual displays in DaaS and VDI sessions to ensure optimal performance.



Licensing SKUs

- SKU: NC-AMP-RXRDP-1A | Software/firmware updates & support after year one.
- SKU: vSpacePro-SW-1A | Use RX-series with vSpace Pro Enterprise.

Supported platforms:

Citrix

- Citrix DaaS
- Citrix Virtual Apps and Desktops
- Citrix XenApp/XenDesktop 7.6 and newer
- Citrix StoreFront (including connections through Citrix Gateways)
- Citrix Web Interface 5.4

Omnissa Horizon

- Omnissa Blast and PCoIP protocols

Microsoft

- Azure Virtual Desktop (ARM-based/Spring 2020 and Classic/Fall2019)
- Azure U.S. Government Cloud
- Windows 365 Cloud PC
- Remote Desktop Services (RDS)
- Windows Server 2008 R2, 2012 R2, 2016, 2019, 2022 and 2025.
- Windows Multipoint Server 2012, 2016, 2016, Multipoint Services, 2019, 2022
- Windows 7, 8.1, 10, 11

NComputing

- VERDE VDI , VERDE Secure Browser, and VERDE Remote Access version 8.3.4.1 or higher
- vSpace Pro Enterprise 12.9.1 or higher

Customization

We offer customized configurations for special projects. Contact *NComputing* for more information.

RX-series products are RoHS compliant and have been EMI certified according to FCC, CE, BIS and KC standards.

Licensing

RX540/580 supports Citrix, Omnissa Horizon, RDP, AVD, Windows 365 Cloud PC, VERDE VDI, and vSpace Pro connection modes. Separate software licenses for supported platforms are required. Contact *NComputing* for more details. RX540/580 also includes one year of firmware maintenance updates from date of first use.

Broad USB Peripheral Support

USB devices are transparently redirected and support mass storage, printers, scanners, smart card readers, headsets/speakers, webcams, COM ports, and 3D mice. Network-connected printers are also available.

SPECIFICATIONS	DESCRIPTION
KIT CONTENTS	1 access device, power supply, VESA mount kit, and a Quick Installation Guide.
SIZE	Ancho: 182 mm, Profundidad: 116 mm, Altura: 31 mm
WEIGHT	280g / 0.62 lbs; Shipping weight including power adapter 0.7kg / 1.54 lbs
POWER CONSUMPTION	Idle/Sleep mode 4.3W / 4.15W
DISPLAY	2x HDMI 2.0 ports (supports up to 3840 x 2160 @ 30Hz) in dual display mode.
CPU	Broadcom BCM2712 quad-core 64-bit ARM Cortex-A76 SoC @2.4GHz
VIDEO	Maximum hardware resolution (per HDMI port): 3840 x 2160 @ 30Hz Recommend a maximum resolution of 2560x1600@30Hz for dual displays in DaaS and VDI sessions to ensure optimal performance.
MEMORY	<ul style="list-style-type: none"> • Storage: 16GB eMMC • 4GB RAM (RX540); 8GB RAM (RX580)
NETWORK AND CONNECTIVITY	<ul style="list-style-type: none"> • LAN: RJ-45 10/100/1000 Base-T • Wi-Fi: 802.11 b/g/n/ac dual-band
AUDIO	3.5mm audio jacks (audio in and out ports)
AVAILABLE APPLICATIONS	Provisioned by IT admin: <ul style="list-style-type: none"> • Citrix Workspace app • Omnissa Horizon client • Microsoft RDS, AVD, and Windows 365 Cloud PC clients • VERDE VDI, VERDE Secure Browser, and VERDE Remote Access client • vSpace Pro Enterprise client • Local Chromium browser and PWA support
PERIPHERAL PORTS	USB 3.0 (2 ports) and USB 2.0 (2 ports). USB devices redirect transparently, supporting mass storage, printers, scanners, smart card readers, headsets/speakers, webcams, COM ports, and 3D mice. Network-connected printers are also supported.
MOUNT	VESA mount kit included
OPTIONS	External antenna (Factory option, special order)
FIRMWARE	Firmware maintenance updates are free for one year from the date of first use.
WARRANTY	1 year hardware warranty included; Optional extended hardware warranty available.
OPERATING SYSTEM	<i>NComputing</i> LEAF OS (Linux)



Connections

1. Power button
2. USB 3.0 ports
3. Analog audio
4. External antenna (optional)
5. USB 3.0 ports
6. Ethernet
7. HDMI ports
8. Power (USB C)
9. Kensington security