NComputing®

RX-series: RX300

Cloud-Ready Thin Client for Windows®

Compatibility

- **vSpace Pro**: Refer to the vSpace OS compatibility matrix for the latest supported versions.
- **Verde VDI** & Remote Access
- **Microsoft RDS**

RX300 Features

- Full-motion HD video playback (1920 x 1200) via HDMI
- Transparent USB redirection
- Built-in 10/100 Ethernet and WiFi (802.11 b/g/n) with Personal and Enterprise 802.1x security
- Integrated VPN support (OpenVPN, OpenConnect, IPSec, FortiClient and PPTP)
- 16GB internal Micro SD card
- 1GB RAM
- Less than 5W power consumption
- Power button and sleep mode for additional power savings
- *NComputing* vCAST Streaming and UXP Turbo protocol support
- RDP with RemoteFX support for improved session performance
- Kensington security port and VESA mount kit included

Optional Accessories

- **SDA** - Secondary display adapter (USB to VGA, DVI or HDMI)

The **RX300** is a cloud-ready thin client built for productivity on the Raspberry Pi 3 platform, providing a rich PC-like experience featuring full-screen, full-motion HD multimedia playback, WiFi and ethernet connectivity, and built-in transparent USB redirection with broad peripheral support.

The **RX300** provides a simple-to-deploy, centrally managed, high performance virtual desktop, perfect for use in SMB and education which can be deployed on **vSpace Pro**, **VERDE VDI & Remote Access**, and **Microsoft RDS** systems.

vCAST Streaming, UXP Turbo and Microsoft RemoteFX

NComputing vCAST Streaming reduces server-side CPU usage for streaming media like YouTube as well as local media content without the need for expensive GPUs.

By utilizing network bandwidth instead of the server CPU, vCAST provides for better media streaming and allows for more concurrent users per server.

The new UXP Turbo protocol for **vSpace Pro** Enterprise delivers an enhanced desktop experience with PC-like performance for 3D rendering, browser scrolling, video playback and multimedia-intensive applications running on Windows 10, 11, or Windows Server 2022.

Enabling the RemoteFX feature in Microsoft RDS and VERDE VDI for Remote Desktop connections greatly enhances the user's visual experience. Host systems equipped with supported graphic cards will benefit.

Central management & express deployment

vSpace Console, the integrated device management solution in **vSpace Pro**, allows for easy configuration and updates. Administrators may define a device template with all settings and configurations, then clone and push it to new devices. All can be centrally managed and provisioned by the IT admin, allowing for control of hundreds of **RX300** devices with just a few clicks.

VERDE VDI & Remote Access and **Microsoft RDS** can configure the **RX300** via optional PMC Device Management software. An admin can remotely manage **RX300** devices over local and wide-area networks, including locations behind firewalls and NAT-routers through an easy-to-use, web-based user interface. PMC requires a seperate license for Microsoft RDS. **vSpace Pro** and **VERDE VDI & Remote Access** users can use PMC by subscribing to AMP.
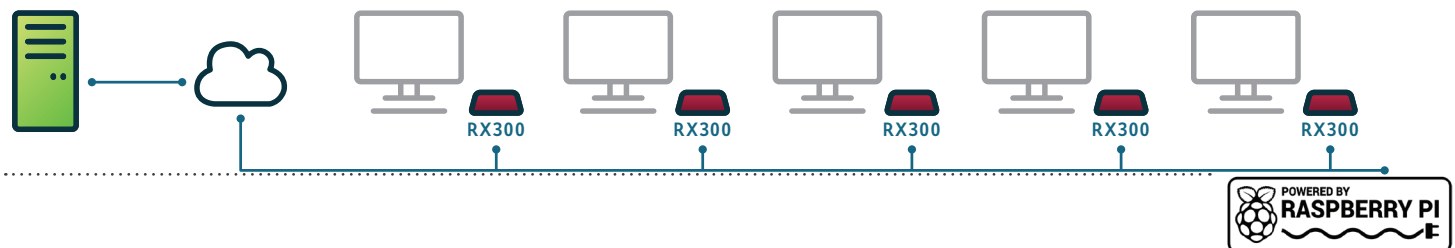
Connection License

RX300 comes with a perpetual software connection license for **vSpace Pro**. Microsoft RDS requires multi-user licenses from Microsoft. VERDE VDI **& Remote Access** requires separate connection licenses.

Server

Thin Clients

RX300 RX300 RX300 RX300 RX300

POWERED BY RASPBERRY PI

RX300 Cloud Ready Thin Client

HARDWARE	DESCRIPTION	
BOX CONTENTS	Each **RX300** includes 1 device, 1 power supply, VESA mount kit and a Quick Installation Guide.	
SIZE	Width: 76 mm / 3 inches, Depth: 93 mm / 3.7 inches, Height : 30 mm /1.2 inches	
WEIGHT	92g / 0.21 lbs. Shipping weight (includes power adapter, packaging, document): 0.31kg / 0.7 lbs	
POWER SUPPLY	5.1VDC (2.5A) power supply included	
POWER CONSUMPTION	5W max (independent of external USB devices)	
LED INDICATORS	Power, network link, and network activity	
DISPLAY	HDMI video output supporting resolutions up to 1920 x 1200 with DDC support.	Secondary display via optional SDA (USB to VGA, DVI or HDMI)
SOC	Broadcom BCM2837, 1.2GHz 64bit Quad Core Cortex A53 Dual core VideoCore IV, Multimedia Processor	
MEMORY	• Mass storage: 16 GB internal Micro SD card • RAM: 1GB	
MONITOR POWER-SAVE	Power on/off and sleep mode button to disable display output for power savings	
NETWORK AND CONNECTIVITY	• 10/100 Ethernet RJ45 port • Wi-Fi (2.4 GHz 802.11 b/g/n)	
AUDIO	16-bit/44kHz/Stereo high quality digital audio with support for USB2.0 audio devices or via 3.5mm stereo audio jacks for headphone	
PERIPHERAL SUPPORT	4x USB 2.0 high-speed ports (two required for keyboard & mouse) • All USB ports provide full USB redirection, utilizing device drivers from the server.	
OPERATION MODE	Provisioned by IT admin: • Thin Client Mode (**vSpace Pro**, Microsoft RDP, **VERDE VDI & Remote Access**)	
EMBEDDED OS	**RX300** Linux firmware	
HOST MACHINE CONFIG	See recommended hardware configuration guide at www.ncomputing.com/support	
WARRANTY	1 year hardware warranty included; Optional extended hardware warranty available	
MOUNT OPTIONS	VESA mount compatible (included)	

SOFTWARE	DESCRIPTION
OPERATING SYSTEMS	Refer to the vSpace operating system compatibility matrix for the latest supported versions.
USER SOFTWARE	*NComputing* **vSpace Pro** and VERDE VDI software; built-in **vSpace Console** device management features to support **RX300** thin clients. Optional PMC Device Management software (separate license required) to remotely manage **RX300** devices.
LICENSING	**RX300** comes with a perpetual software connection license to **vSpace Pro** desktop virtualization software. PMC Device Management software for remote device management is optional.
VCAST STREAMING	**RX300** supports vCAST Streaming for web and media content. vCAST is included in **vSpace Pro** and VERDE VDI. vCAST on Microsoft RDS requires a license for the *NComputing* SuperRDP server pack.
DUAL SCREEN DISPLAY	Requires optional *NComputing* SDA
SUPPORTED PLATFORMS	**vSpace Pro** (UXP), **VERDE VDI (RDP)**, **VERDE Remote Access,** (UXP, RDP), **Microsoft RDS** (RDP)

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

Device Management

For vSpace Pro
- **vSpace Console** is included
- **PMC** is available for subscribers to **AMP for vSpace Pro**

For VERDE VDI
- **PMC** is available for subscribers to AMP for VERDE.

For Microsoft RDS
- **PMC** requires separate licenses.

RX300 Connections

1. Power in (5.1V micro USB)
2. HDMI video output
3. Speaker jack: 16bit/44kHz/Stereo high quality audio
4. 10/100 Mbps Ethernet RJ45 port
5. 4 High-Speed USB 2.0 ports with full USB redirection support (2 required for mouse and keyboard)
6. Kensington security port
7. Power on/off and sleep mode button disables display output for power savings

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Need more info? We'd love to talk to you about your project. Click here.

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