

RX-series: RX300

Cloud-Ready Thin Client for Windows® and Linux®

RX300 Features

- Full-motion HD video playback (1920 x 1200) via HDMI
- Transparent USB redirection
- Built-in WiFi (802.11 b/g/n)
- Bluetooth 4.1
- Provisioned access to both **vSpace** and Raspbian Linux OS
- 8GB internal Micro SD card
- 1GB RAM
- Less than 5W power consumption
- Sleep mode for additional power savings
- vCAST Streaming (6 month trial included)
- 1-year **vSpace Pro** connection license

Compatibility

- **vSpace Pro 10**: up to 100 users per shared OS. Refer to the [vSpace OS compatibility matrix](#) for the latest supported versions.
- **Verde VDI** (coming Q2 2017)

Optional Features

- Secondary display via USB dongle (VGA or DVI | coming Q2 2017)
- VESA mount kit

NComputing has delivered more than 3 million low-cost thin clients worldwide. Our latest, the **RX300**, is built for productivity using the latest Raspberry Pi 3 platform.

Designed and optimized specifically for NComputing's award-winning **vSpace Pro** desktop virtualization solution, the **RX300** is cloud-ready and provides a rich PC-like experience. **RX300** features full-screen, full-motion HD multimedia playback with vCAST direct streaming technology support, built-in transparent USB redirection achieving unparalleled peripheral support, WiFi, and optional access to Raspbian Linux OS managed by the IT admin.

The **RX300** provides a simple-to-deploy, centrally managed, high performance virtual desktop, perfect for use in SMB and education.



Cloud-ready with vCAST streaming support

vCAST reduces the overall server-side CPU usage for web videos like YouTube or local media content without the need for expensive GPUs. This allows for higher quality media streaming utilizing the network bandwidth without server CPU bottlenecks, thereby supporting more concurrent users.

Dual mode support – enhanced productivity and flexibility

RX300 comes equipped with both a 'Thin Client Mode' and 'Raspbian Linux Mode.' Use the **RX300** as a locked down thin client with connections to **vSpace Pro 10** and **Verde VDI**, or as a Raspberry Pi 3 device allowing direct access to Raspbian Linux OS and its popular games (Minecraft), how-to-code applications (Scratch, Python and Java) and productivity tools.

Central management & express deployment

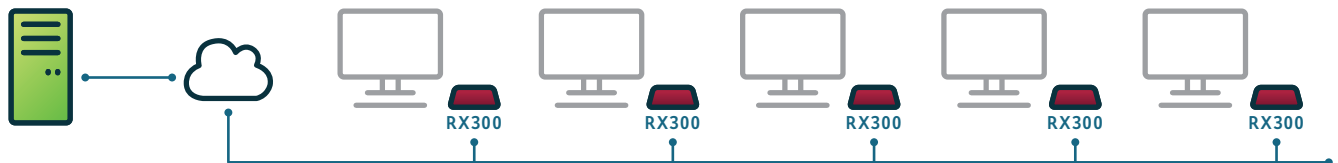
The **RX300** is easy to configure and automatically receives updates from deployed **vSpace Pro 10** servers. Administrators may define a device template with all settings and configurations, then clone and push it to new devices. All can be centrally managed and provisioned by the IT admin with **vSpace Pro 10**, allowing control of hundreds of **RX300** devices with just a few clicks. Users are always up-to-date with the latest technology.

License

RX300 comes with a 1-year software connection license to **vSpace Pro 10** desktop virtualization software, and a 6-month trial of vCAST Streaming technology. Software connection license renewal for **vSpace Pro 10** is required for subsequent year(s).

vSpace Pro Server

Thin Clients



Run up to 100 RX300 thin clients per vSpace Pro Server



HARDWARE	DESCRIPTION
KIT CONTENTS	Each RX300 kit includes 1 access device, 1 power supply, vSpace Pro 10 1-year connection license bundle, 1 internal 8GB SD card 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 USB-DVI or USB-VGA adapter (required NComputing dual screen display license)
SOC	Broadcom BCM2837, 1.2GHz 64bit Quad Core Cortex A53 Dual core VideoCore IV, Multimedia Processor
MEMORY	<ul style="list-style-type: none"> • Mass storage: 8 GB internal Micro SD card • RAM: 1GB
MONITOR POWER-SAVE	Sleep mode button to disable output display for power saving mode
NETWORK AND CONNECTIVITY	<ul style="list-style-type: none"> • 10/100 Ethernet RJ45 port • Wi-Fi (2.4 GHz 802.11 b/g/n) • Bluetooth 4.1
AUDIO	16-bit/22kHz 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: <ul style="list-style-type: none"> • Thin Client Mode (dedicated thin client) • Raspbian Linux Mode (access to underlying Raspbian OS and built-in applications)
EMBEDDED OPERATING SYSTEM	RX300 firmware based on Raspbian OS
HOST MACHINE CONFIGURATION	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 (not included)

RX300 Connections

1. Power in (5.1V micro USB)
2. HDMI video output
3. Speaker jack (16bit/22kHz 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. Sleep mode button disables display output for power saving mode

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

