

Full-motion HD video playback (1920)

### DATASHEET

# **RX-series: RX300**

# Cloud-Ready Thin Client for Windows® and Linux®

*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-todeploy, centrally managed, high performance virtual desktop, perfect for use in SMB and education.



8GB internal Micro SD card

and Raspbian Linux OS

**RX300 Features** 

· Transparent USB redirection

Built-in WiFi (802.11 b/g/n)

x 1200) via HDMI

Bluetooth 4.1

1GB RAM

· Less than 5W power consumption

· Provisioned access to both vSpace

- 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

# 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

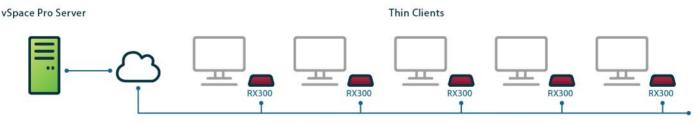
RX300 comes equipped with both a 'Thin Client Mode' and 'Raspbian Linux Mode.' Use the RX300 as a locked down thin client with connections to vSpace Pro 10 and Verde VDI, or as a Raspberry Pi 3 device allowing direct access to Raspbian Linux OS and its popular games (Minecraft), how-to-code applications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



Run up to 100 RX300 thin clients per vSpace Pro Server





# **RX300 Cloud Ready Thin Client**



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 <i>NComputing</i> dual screen display license)
soc	Broadcom BCM2837 1 2GHz 64bit Quad Core Cortex A53 Qual core VideoCore IV	

Multimedia Processor

MEMORY · Mass storage: 8 GB internal Micro SD card · RAM: 1GB

MONITOR POWER-SAVE

**NETWORK AND** CONNECTIVITY

Sleep mode button to disable output display for power saving mode

• 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)

 $\hbox{\bf \cdot All USB ports provide full USB redirection, utilizing device drivers from the server.} \\$ 

**OPERATION MODE** Provisioned by IT admin:

• Thin Client Mode (dedicated thin client)

Raspbian Linux Mode (access to underlying Raspbian OS and built-in applications)

EMBEDDED OPERATING

RX300 firmware based on Raspbian OS

HOST MACHINE CONFIG WARRANTY

See recommended hardware configuration guide at www.ncomputing.com/support 1 year hardware warranty included; Optional extended hardware warranty available

MOUNT OPTIONS VESA mount compatible (not included)

### 1. Power in (5.1V micro USB)

### 2. HDMI video output

3. Speaker jack (16bit/22kHz high quality audio)

**RX300 Connections** 

- 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

#### SOFTWARE DESCRIPTION

SUPPORTED OPERATING SYSTEMS\*\*

Refer to the vSpace operating system compatibility matrix for the latest supported

**USER SOFTWARE** 

NComputing vSpace Pro 10 desktop virtualization software; built-in central device

management features to support RX300 thin clients.

LICENSING

NComputing vSpace Pro 10 connection license for 1-year included; optional vSpace Pro 10

connection license packs for subsequent year(s)

VCAST STREAMING

Complementary 6-months NComputing vCAST streaming premium license; optional NComputing vCAST license for subsequent year.

Complementary 6-months NComputing dual display premium license; optional

NComputing dual display license for subsequent year.

**DUAL SCREEN DISPLAY** 

PLATFORM SUPPORT

VIRTUALIZATION

Verde™ VDI (Q2 2017)

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







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