RX-series: RX-RDP

Industry Leading Value-Class RDP Thin Client for Business

RX-RDP Features

- Microsoft RDP or *NComputing* VERDE VDI connection mode for Remote Desktop/VDI access
- RDP with RemoteFX support for improved session performance
- Scree Resolution up to 1920x1200
- Quadcore 64-bit 1.2 GHz Broadcom Cortex A53 CPU
- Four USB 2.0 ports with transparent USB redirection providing extensive peripheral compatibility
- Built-in 10/100 Ethernet and WiFi (802.11 b/g/n) with Personal and Enterprise 802.1x security
- 8GB internal Micro SD card
- 1GB RAM
- Less than 5W power consumption
- Power button and Sleep mode for additional power savings
- Kensington security port and VESA mount kit included
- National keyboard layouts support
- Three years of firmware maintenance updates included

OS Compatibility

Microsoft Windows Servers*:
- Windows Server 2016, Windows Server 2016 (Multipoint Services)
- Windows Server 2012 R2 U1, Windows Server Multipoint Server 2012
- Windows Server 2008 R2 SP1

Microsoft Windows Desktops (for 1-1 VDI):**
- Windows 10, 8.1, 7 SP1

NComputing has delivered more than 3 million affordable, high-performance thin clients worldwide. Our latest, the **RX-RDP**, is built for productivity and performance using the Raspberry Pi 3 platform.

Designed and optimized specifically for Microsoft RDP and *NComputing* VERDE VDI solution, the **RX-RDP** is cloud-ready and provides a rich PC-like experience powered by Quadcore 64-bit Broadcom Cortex A53 CPU. **RX-RDP** features full-screen, full-motion HD multimedia playback with RemoteFX support, WiFi connectivity and built-in transparent USB redirection achieving unparalleled peripheral support. **RX-RDP** configuration and firmware updates can be remotely managed by the IT admin. The **RX-RDP** provides a simple-to deploy, centrally managed, high performance virtual desktop, perfect for use in SMB and SME organizations with Microsoft Windows Server or VDI infrastructure.

Microsoft RemoteFX session support

Enabling the RemoteFX feature for Remote Desktop connection greatly enhances the user's visual experience. Especially host systems equipped with supported graphic cards will benefit.

NComputing vCAST Streaming with client-side rendering (November 2018)

vCAST Streaming for RDP reduces 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.

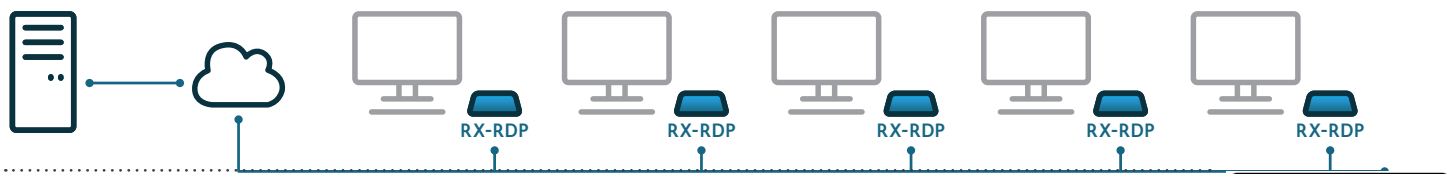## Central management & express deployment with PMC Device Management

The **RX-RDP** is easy to configure from our optional PMC Device Management solution. An admin can remotely manage **RX-RDP** devices over local and wide-area networks, including locations behind firewalls and NAT-routers through an easy-to-use web-based user interface. Administrators may define a device profiles with all settings and configurations, then push to individual or grouped devices. Few clicks to schedule device firmware updates, access dashboard summary and detailed event logging. Users are always up-to-date with the latest technology.

License

RX-RDP comes with RDP and VERDE VDI connection mode support. Separate Microsoft RDS and *NComputing* VERDE VDI software connection licenses are required. *NComputing* vCAST Streaming for RDP and PMC Device Management also require separate licenses. Contact *NComputing* for more details. **RX-RDP** comes with three years of firmware maintenance updates from the time of purchase.

Server   **Thin Clients**

RX-RDP   RX-RDP   RX-RDP   RX-RDP   RX-RDP

POWERED BY RASPBERRY PI

* Window Servers with Remote Desktop Session Host role enabled.
** Windows desktop systems with Remote Desktop feature enabled.

RX-RDP Cloud Ready Thin Client

Optional Features

- *NComputing* SuperRDP Server Pack with vCAST Streaming support. Seperate licenses required. (November 2018)

- PMC Device Management software to remotely manage **RX-RDP** devices. Seperate licenses required.

- SDA - Secondary display adapter (USB to HDMI) (available November 2018)

RX-RDP 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. Sleep mode button disables display output for power saving mode (on top)

HARDWARE	DESCRIPTION
KIT CONTENTS	Each **RX-RDP** kit includes 1 access device, 1 power supply, 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.
SOC	Broadcom BCM2837, 1.2GHz 64bit quad core Cortex A53, dual core VideoCore IV Multimedia Processor
MEMORY	• Mass storage: 8 GB internal Micro SD card • RAM: 1GB
MONITOR POWER-SAVE	Power button (on/off) and sleep mode support to disable output display
NETWORK AND CONNECTIVITY	• 10/100 Ethernet RJ45 port • Wi-Fi (2.4 GHz 802.11 b/g/n) with 802.1x security authentication support • Bluetooth 4.1
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: • RDP connection mode with RemoteFX support • VERDE VDI connection mode (support both RDP and *NComputing* UXP protocols)
EMBEDDED OS	**RX-RDP** firmware based on Raspbian OS
HOST MACHINE CONFIG	See recommended hardware configuration guide at www.ncomputing.com/support
FIRMWARE MAINTENANCE	Firmware maintenance updates are included free for three years from date of purchase.
WARRANTY	1 year hardware warranty included; Optional extended hardware warranty available
MOUNT OPTIONS	VESA mount kit included

SOFTWARE	DESCRIPTION
SUPPORTED OPERATING SYSTEMS	Refer to the compatibility section on page 1 for the latest supported versions.
USER SOFTWARE	Optional PMC Device Management software (separate license required) to remotely manage **RX-RDP** devices.
VCAST STREAMING FOR RDP	Optional *NComputing* SuperRDP Server Pack (separate license required) which includes vCAST Streaming for RDP. vCAST Streaming reduces overall server-side CPU usage and hence supports more concurrent users.
VIRTUALIZATION PLATFORM SUPPORT	Microsoft Remote Desktop Services Verde™ VDI

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

Need more info?

We'd love to talk to you about your project. Click here.