

RX-series: RX-RDP+

Industry-leading value class thin client.

RX-RDP+ Features

- Compatible with Microsoft RDS, Microsoft AVD, Windows 365 Cloud PC, NComputing VERDE VDI & Remote Access, and vSpace Pro Enterprise
- RDP with Microsoft RemoteFX support for improved session performance
- Quadcore 64-bit 1.4 GHz Broadcom Cortex A53 CPU
- Built-in 5GHz and 2.4GHz 802.11 b/g/n/ac Wi-Fi with Personal and Enterprise 802.1x security
- Maximum resolution: 1900 x 1200
- 4 USB 2.0 high-speed ports with transparent USB redirection
- 802.1x (PEAP, EAP-TLS, EAP-TTLS) support
- Integrated VPN support (OpenVPN, OpenConnect and PPTP)
- 16 GB internal Micro SD card and 1GB RAM
- Built-in Kensington security slot and sealed micro SD card for added protection
- National keyboard layout support
- Low power consumption.
- Power button with sleep mode
- VESA mount kit included
- One year of firmware maintenance updates included ; subsequent Annual Maintenance Plan available (NC-AMP-RXRDP-1A)

Optional Features

- NComputing SuperRDP Server Pack with vCAST Streaming support. Separate license required (SuperRDP-PREM-VC-P)
- Connecting to vSpace Pro Enterprise requires vSpace Pro Client connection license (vSpacePro-SW-1A)
- PMC Endpoint Manager software to remotely manage RX-RDP+.

The RX-RDP+ thin client is built on the Raspberry Pi 3+ platform providing great performance and value. Designed for Microsoft Azure Virtual Desktop (AVD) & Remote Desktop Services (RDS), VERDE VDI, VERDE Remote Access, as well as vSpace Pro, the RX-RDP+ is cloud-ready and provides a rich PC-like experience powered by Quadcore Broadcom (Cortex 53) 64-bit system-on-chip. RX-RDP+ features a single display, full-screen, full-motion HD multimedia playback with Microsoft RemoteFX support, dual-band 2.4/5Ghz WiFi connectivity and built-in transparent USB redirection for 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 AVD, Microsoft RDS, VERDE VDI or vSpace Pro deployments.

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 via SuperRDP

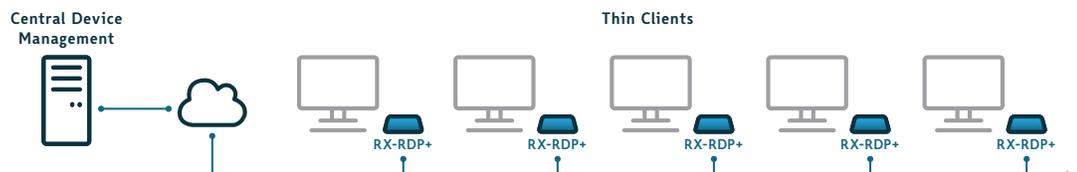
SuperRDP brings the power of our vCAST Streaming technology to RDP - reducing server-side CPU usage for streaming services like YouTube as well as local media content without the need for expensive GPUs. This allows for higher quality media streaming utilizing network bandwidth instead of heavy server CPU usage, thereby supporting more concurrent users. SuperRDP software is available separately and installs on the server.

Central management & express deployment with PMC Endpoint Manager

The RX-RDP+ is easy to configure from our optional PMC Endpoint Manager software. An admin can 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. Administrators may define multiple device profile configurations, then push to individual or grouped devices through scheduled updates, including firmware. A dashboard summary and detailed event logging provide valuable information about your deployment.

Single Monitor Support

A single HDMI video port supports a single display with resolutions up to 1900 x 1200. The RX-RDP+ can not be extended to a second monitor through an SDA. Dual-monitor configurations are available in the RX420(RDP) thin client.



Supported Operating Systems:

- Windows Server 2019
- Windows Server 2016, 2016 (Multipoint Services)
- Windows Server 2012 R2 U1, Multipoint Server 2012
- Windows Server 2008 R2 SP1
- Microsoft Windows Desktops (for 1-1 VDI on Windows 10, 8.1, 7 SP1)

Supported Deployment Infrastructure

- Microsoft Windows 365 Cloud PC
- Microsoft RDS deployment with RD Gateway
- Microsoft Azure Virtual Desktop (AVD) deployment [firmware v. 1.10.6 and higher]
- VERDE VDI with Remote Access and VDI support
- vSpace Pro Enterprise

RX-RDP+ Connections

1. Power in (5V micro USB)
2. HDMI video output
3. Speaker jack: 16bit/44kHz/Stereo high quality audio
4. Gigabit 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 button with sleep mode for additional power savings (on top)

RX-RDP+ comes with RDP, AVD, VERDE VDI and vSpace Pro connection mode support. Separate software licenses are required for supported platforms. NComputing vCAST Streaming for RDP also require separate licenses. Contact NComputing for more details. RX-RDP+ comes with one year of firmware maintenance updates from the time of purchase.

Broad USB Peripheral Support

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

HARDWARE	DESCRIPTION
KIT CONTENTS	Each RX-RDP+ kit includes 1 access device, 1 power supply, 1 internal 16 GB SD card, 1 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	5.1 VDC (2.5A) power supply included
POWER CONSUMPTION	5W max (independent of external USB device)
LED INDICATORS	Power, network link, and network activity
DISPLAY	HDMI video output supporting resolutions up to 1920 x 1200 with DDC support.
VIDEO	<ul style="list-style-type: none"> • Full HD 1080P with H.264 support (client-side rendering with hardware acceleration) • Full HD Flash video 1080P support (server-side rendering)
SOC	Broadcom BCM2837, 1.4GHz 64bit Quad Core Cortex A53 Dual core VideoCore IV, Multimedia Processor
MEMORY	<ul style="list-style-type: none"> • Mass storage: 16 GB internal Micro SD card • RAM: 1GB
MONITOR POWER-SAVE	Sleep mode button to turn off display output for power saving mode
NETWORK AND CONNECTIVITY	<ul style="list-style-type: none"> • Gigabit Ethernet RJ45 port • Wi-Fi (5GHz and 2.4 GHz 802.11 b/g/n/ac) • Bluetooth 4.2, BLE
VPN CLIENTS	The following VPNs are supported: OpenVPN, OpenConnect VPN, PPTP, IPSec (L2TP and IKEv2), FortiClient SSL VPN
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	4 USB 2.0 high-speed ports with transparent USB redirection
OPERATION MODE	Provisioned by IT admin: <ul style="list-style-type: none"> • Microsoft AVD, Microsoft RDS with RemoteFX support • VERDE VDI and VERDE Remote Access (RDP/UXP protocols) • vSpace Pro Enterprise (UXP protocol)
FIRMWARE	Firmware maintenance updates are included free for one year from date of purchase.
WARRANTY	1-year hardware warranty included. Optional extended hardware warranty available.
MOUNT OPTIONS	VESA mount included

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

