

RX-series: RX420(vSpace)

Dual-user mode thin client optimized for education.

Compatibility

- vSpace Pro Enterprise Edition (version 12.7.2 or higher)

Features

- Dual-user mode
- Full-motion HD video playback (1920 x 1200) via HDMI
- Transparent USB redirection
- Gigabit Ethernet and 5GHz/2.4GHz 802.11 b/g/n/ac Wi-Fi with Personal and Enterprise 802.1x security
- Integrated VPN support (OpenVPN, OpenConnect, IPSec, FortiClient and PPTP)
- 32GB Internal Micro SD card
- 2GB RAM
- Low power consumption
- Power button and sleep mode for additional power savings
- NComputing vCAST Streaming and UXP Turbo protocol support
- Kensington Security port and VESA mount kit included
- Optional XD4 dongles to expand available USB ports.

The RX420(vSpace) dual-user mode thin client built for productivity on the Raspberry Pi 4 platform, providing a rich PC-like experience featuring full-screen, full-motion HD multimedia playback, dual-band 5/2.4 GHz WiFi, Gigabit Ethernet, and built-in transparent USB redirection with peripheral support.

The RX420(vSpace) provides a simple-to-deploy, centrally managed, high performance virtual desktop, perfect for use in education which can be used in vSpace Pro Enterprise deployments.

vCAST Streaming and UXP Turbo Support

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.

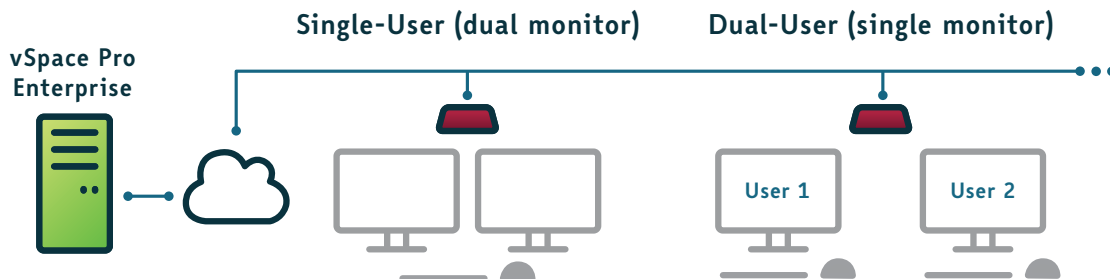
Central management & express deployment

vSpace Console, the integrated device management solution in vSpace Pro Enterprise, 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 a fleet of RX420(vSpace) devices with just a few clicks.

The RX420(vSpace) can also be configured from our optional PMC Endpoint Manager software. An admin can remotely manage devices over local and wide-area networks, including locations behind firewalls and NATrouters, through an easy-to-use web-based user interface. PMC is available for subscribers to AMP for vSpace Pro.

Connection License

RX420(vSpace) is pre-bundled with either a 5 or 10-year vSpace Pro AMP license.



AVAILABILITY: RX420(vSpace) is only available to specific pre-approved projects in select regions and is not available for general distribution. Unauthorized distribution of this product is considered a violation and prohibited by NComputing. In such cases all warranty and support is void.

Device Management

For vSpace Pro Enterprise

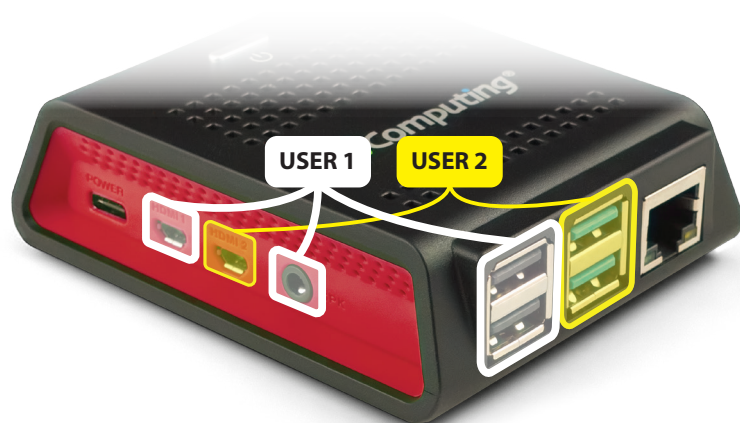
- vSpace Console is included
- PMC Endpoint Manager

RX420 (vSpace) Connections

1. Power button with sleep mode
2. 2 USB 3.0 and 2 USB 2.0 High-Speed ports with full USB redirection support
3. Gigabit Ethernet RJ45 port
4. Kensington security port
5. Power in (USB-C)
6. Dual micro HDMI video output
7. Speaker jack: 16bit/44kHz/Stereo



RX420(vSpace) Dual-User Mode Setup



HARDWARE	DESCRIPTION
BOX CONTENTS	Each RX420 (vSpace) 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	105g / 0.23 lbs; Shipping weight including power adapter 0.33kg / 0.72 lbs
POWER SUPPLY	5.0VDC (3A) power supply included
LED INDICATORS	Power, network link, and network activity
DISPLAY	Dual micro-HDMI video output supporting resolutions up to 1920 x 1200 with DDC support.
SOC	Broadcom BCM2711, 1.5GHz 64bit Quad Core Cortex A72 Dual core VideoCore IV, Multimedia Processor
MEMORY	• Mass storage: 32 GB internal Micro SD card • RAM: 2GB
MONITOR POWER-SAVE	Sleep mode button to turn off display output for power saving mode
NETWORK AND CONNECTIVITY	• Gigabit Ethernet RJ45 port • Wi-Fi (5GHz and 2.4 GHz 802.11 b/g/n/ac)
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	2x USB 3.0 and 2x USB 2.0 high-speed ports with transparent USB redirection. All USB ports provide full USB redirection, utilizing device drivers from the server. Optional XD4 dongles to add available USB ports.
OPERATION MODE	vSpace Pro Enterprise with dual user mode
EMBEDDED OS	RX420(vSpace) 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 included

SOFTWARE	DESCRIPTION
OPERATING SYSTEMS	Refer to the vSpace operating system compatibility matrix for the latest supported versions.
USER SOFTWARE	NComputing vSpace Pro Enterprise software; built-in vSpace Console device management features to support RX420(vSpace) thin clients. PMC Endpoint Manager compatible.
LICENSING	RX420(vSpace) is pre-bundled with either a 5 or 10-year vSpace Pro AMP license.
VCAST STREAMING	RX420(vSpace) supports vCAST Streaming for web and media content. vCAST is a feature of vSpace Pro Enterprise.
SUPPORTED PLATFORMS	vSpace Pro Enterprise (UXP and UXP Turbo)

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