



Quantum

Incredible performance, maximum connectivity and high definition for the top of the range Thin Client

Quantum’s incredible features make it the most powerful Thin Client ever, suitable for all those complex environments that require maximum performance and maximum quality. Quantum is the perfect endpoint for finance and 3D environments, and for everyone that look for performance, reliability and versatility.

Excellent performance and four 4K monitors

Thanks to the AMD RX-216GD Dual-Core 1.6GHz chipset and thanks to the 4 video outs with resolution up to 4K, Quantum is able to support high definition content and graphics. This is why Quantum is the perfect Thin Client for those who need high performance in thier daily activities.

No problems with peripherals

With 8 USB ports (6 USB 2.0, 2 USB 3.0), 1 standard serial port and an integrated Smart Card Reader, Quantum supports all the peripherals you have.

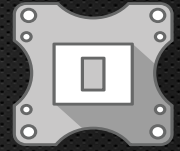
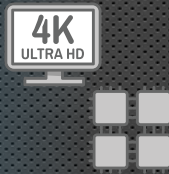
LAN or Optical Fiber?

Quantum allows extreme connectivity thanks to its native integration of LAN Ethernet and LAN optical fiber connectivity and also thanks to the integrated 802.11ac Wireless and Bluetooth factory options.

Certifications

- Citrix Ready
- VMware Ready

Model	Q91-HDX	Q91-RFX	Q91-HOR	Q9154	Q9119	Q1004
Type	Zero Client	Zero Client	Zero Client	Thin Client	Thin Client	No O.S.
Processor / Chipset	AMD RX-216GD Dual-Core 1.6GHz up to 3GHz (Turbo frequency)					
Power supply	External 100/240VAC 50/60Hz, 60W, DC 12V/5A					
Power consumption: on / stand-by	5.0W / 0.3W					
Device dimensions / weight	60 (W) x 200 (H) x 156 (D) / 1.5 Kg					
Packaging dimensions / weight	2.3 Kg					
Device / Power supply certifications	CE, FCC Class B, Energy Star 6.1, EuP-ErP 2013 / CE, FCC Class B, GS TUV,UL					
Operational temperature range	0°C ÷ 35°C / 20% ÷ 80% non-condensing					
Security lock	Kensington					
Maximum display resolution	3840 x 2160 (1x 4K 60Hz + 2x 4K 30Hz + 1x 4K 30Hz optional)					
Display ratio	DDC 4:3, 16:10 WIDE					
Display data control	Merlin Falcon platform					
Built-in speaker	Built-in 0.5 W speaker					
Operating System	ThinOX V11	ThinOX V11	ThinOX V11	ThinOX V11	WIN 10 IoT 2019	No O.S.
RAM memory / Flash memory	2GB / 8GB	2GB / 8GB	2GB / 8GB	2GB / 8GB	4GB/64GB	2GB / -
Input / Output						
USB ports	2 USB 2.0 front + 4 USB 2.0 rear + 2 USB 3.0 rear					
Monitor video out	1 HDMI + 2 DP + 1 DP (optional)					
Audio - Mic In	1 x 1/8 inch jack					
Audio - Line Out	1 x 1/8 inch jack					
Serial ports	1 COM					
Networking						
RJ45 10/100/1000 Base T Ethernet	✓	✓	✓	✓	✓	✓
Mounting						
Vertical stand	✓	✓	✓	✓	✓	✓
Rear monitor with VESA kit	✓	✓	✓	✓	✓	✓



Packaging included						
Power cord	✓	✓	✓	✓	✓	✓
USB optical mouse	✓	✓	✓	✓	✓	✓
Available factory options						
Wi-Fi antenna configuration	1 external + 1 internal					
802.11ac Wireless / Bluetooth	Factory option					
Integrated smart card reader	Factory option					
LAN Optical fiber	Factory option					
RAM memory expansion	Up to 16GB	Up to 16GB	Up to 16GB	Up to 16GB	Up to 16GB	Up to 16GB
Add-on Praim MediaStream Codecs	Add-on	Add-on	Add-on	Add-on	-	-
Firmware	Q91-HDX	Q91-RFX	Q91-HOR	Q9154	Q9119	Q1004
Firmware Version	ThinOX v 11	ThinOX v 11	ThinOX v 11	ThinOX v 11	WIN 10 IoT 2019	No O.S.
Architecture	x86	x86	x86	x86	x86	-
System type	64 bit	64 bit	64 bit	64 bit	64 bit	-
Version	11.0.9	11.0.9	11.0.9	11.0.9	3.2.0	-
Size	640 MB	640 MB	640 MB	700 MB	~16 GB	-
Quick boot	✓	✓	✓	✓	✓	-
UEFI O.S.	✓	✓	✓	✓	✓	-
UEFI boot	✓	✓	✓	✓	✓	-
Supported protocols						
TCP/IP, DNS, DHCP, SNMP MIB II	✓	✓	✓	✓	✓	-
SSH	✓	✓	✓	✓	-	-
802.1X Ethernet EAP/PEAP MSCHAPV2	✓	✓	✓	✓	✓	-
Protocols clients						
Concurrent connections	1	1	1	Multiple	Multiple	-
Citrix						
Citrix Workspace App	✓	-	-	✓	✓	-
HDX RealTime Optimization Pack - Supported versions	From 2.5 to 2.8	-	-	From 2.5 to 2.8	From 2.5 to 2.8	-
HDX RealTime Optimization Pack - Preinstalled version	2.8	-	-	Add-on	Add-on	-
Citrix H.264 Enhanced Supercoded	✓	-	-	✓	✓	-
VMware						
VMware Horizon Client	-	-	✓	✓	✓	-
RDP	-	-	✓	✓	✓	-
PCoIP	-	-	✓	✓	✓	-
VMware Blast Extreme	-	-	✓	✓	✓	-
Microsoft						
RDP	-	Free RDP	-	Free RDP	MS Client	-
RDP - Supported version	-	7.1 / 8.1	-	7.1 / 8.1	10.6	-
Microsoft RemoteFX	-	✓	-	✓	✓	-
Installed applications						
Local Browser	-	-	-	✓	✓	-
Local PDF Viewer	-	-	-	✓	-	-
JVM / JRE	-	-	-	✓	-	-
Flash player	-	-	-	✓	✓	-
Shell Script	-	-	-	Bash	Power Shell	-
IBM i Access Client	-	-	-	✓	-	-
Smart card support	-	-	-	✓	-	-
Praim Agile	-	-	-	-	✓	-
Putty VT/ASCII emulation	-	-	-	✓	-	-
Printing						
Printer support	✓	✓	✓	✓	-	-
VPN						
Cisco / SonicWall / OpenVPN / Fortinet	✓	✓	✓	✓	-	-
Add on						
SafeNet Etoken Pro	✓	✓	✓	✓	-	-
Imprivata One Sign No Click Access agent	✓	✓	✓	✓	-	-
Caradigm	✓	✓	✓	✓	-	-
OCS Inventory	✓	✓	✓	✓	-	-
Warranty						
Hardware warranty - On Center Warranty	3 years					
Hardware warranty extension	Up to 5 year					