



Neutrino

New version with 4K Ultra HD video resolution

The new Neutrino offers surprising capabilities at an affordable price: the ideal solution in the most widespread application contexts.

Dual-Core power

Neutrino ensures excellent performance thanks to the Intel Dual Core 1,6 GHz processor.

Dual monitor up to 4K

Neutrino offers dual monitor support, thanks to the presence of two video outputs (DP and DVI-D). The new DP output gives you support for 4K UHD resolutions.

Unified communications ready

Ideal for accessing virtual desktops or cloud/internet based resources, as well as for use with Unified communications and VoIP solutions.

Compact design

Its design is compact and it adapts to virtually any environment. Thanks to the VESA mounting kit it can be installed behind the monitor to reduce the overall dimensions in the workstations.

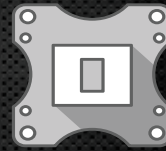
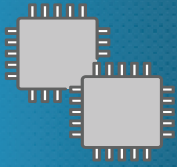
Energy saver

With just 3W, this device reduces energy costs, guaranteeing maximum power.

Wi-Fi

Neutrino offers optional IEEE 802.11ac Wi-Fi connectivity with dual external antenna.





Processor	Intel Celeron N3060 Dual-Core 1.6GHz up to 2.48GHz
Graphics	Intel HD Graphics 400
Display	3840 x 2160 @ 30Hz / 2560 x 1600 @ 60Hz (1 monitor 4K UHD)
Power consumption (On/Off)	4.0 W / 0.3 W
Ports	4 USB 2.0 (2 front + 2 rear) + 1 USB 3.0 front 1 DP + 1 DVI-D, 1 x Mic. In, 1 x Line Out
Connectivity	1 x Gigabit ethernet
Multimedia	Internal Speaker
Options	1 COM serial port alternative to DVI-D Wi-Fi 802.11ac, dual external antenna
Rear mounting kit	Yes
Included in the box	Power supply, power cord, USB mouse
Accessories	Rear monitor mounting kit, keyboard, USB Smart Card Reader, cables and video adapters
Accessori	Kit montaggio VESA, smart card reader, tastiera, cavi e adattatori video

Available models

Model	Type	RAM	Flash Disk	Operating System
N1102	-	2 GB	-	No O.S.
N91-HDX	Zero Client	2 GB	8 GB	ThinOX
N91-RFX	Zero Client	2 GB	8 GB	ThinOX
N91-HOR	Zero Client	2 GB	8 GB	ThinOX
N9152	Thin Client	2 GB	8 GB	ThinOX
N9172	Thin Client	4 GB	16 GB	WES 7
N9112	Thin Client	4 GB	64 GB	Windows 10 IoT

Certifications

- Citrix Ready
- VMware Ready
- Microsoft RemoteFX Enabled

Model Type	N91-HDX Zero Client	N91-RFX Zero Client	N91-HOR Zero Client	N9152 Thin Client	N9172 Thin Client	N9112 Thin Client	N1102 No O.S.
Processor / Chipset	Intel Celeron N3060 Dual-Core 1.6GHz up to 2.48GHz (burst frequency)						
Power supply	External 100/240VAC 50/60Hz, 24W, DC 12V/2A						
Power consumption: On / Stand By	4 W/0.5 W standard, 5 W/0.5 W with Wi-Fi						
Device dimension / weight	38 (W) x 120 (H) x 170 (D) / 0.6 Kg						
Packaging dimension / weight	85 (W) x 225 (H) x 245 (D) / 1.3 Kg						
Device certifications / Power supply certifications	CE, FCC Class B, Energy Star 6.1 compliant, EuP-ErP 2013 / CE, FCC Class B, GS TUV,UL						
Chassis	Plastic and metal						
International Protection Marking	-						
Operational temperature range / humidity	0°C ÷ 35°C / 20% ÷ 80% non-condensing						
Security lock	Kensington						
Maximum display resolution	3840 x 2160 @ 30Hz / 2560 x 1600 @ 60Hz (1 monitor at 4K UHD)						
Display ratio	DDC 4:3, 16:10 WIDE						
Color	32 bit						
Display data control	Intel HD Graphics 400						
Built-in speaker	Built-in 1 W speaker						
Operating System	ThinOX V10	ThinOX V10	ThinOX V10	ThinOX V10	WES 7	WIN 10 IoT	No O.S.
RAM memory / Flash memory	2GB / 8GB	2GB / 8GB	2GB / 8GB	2GB / 8GB	4GB / 16GB	4GB/64GB	2GB / -
Disk User Partition	-	-	-	~ 50 MB	~ 8.5GB	~ 46GB	-
Input / Output							
USB ports	4 USB 2.0 (2 front + 2 rear) + 1 USB 3.0 front						
Monitor Video OUT	1 DP + 1 DVI-D						
Audio - Mic In	1 x 1/8 inch jack						
Audio - Line Out	1 x 1/8 inch jack						
PS2 ports	-						
Serial ports	Optional serial port COM alternative to DVI-D						
Parallel ports	With optional USB to parallel cable adapter						
Networking							
RJ45 10/100/1000 Base-T Ethernet	✓	✓	✓	✓	✓	✓	✓
Mounting							
Vertical stand	✓	✓	✓	✓	✓	✓	✓
Horizontal stand	✓	✓	✓	✓	✓	✓	✓
Rear monitor mounting with VESA kit	✓	✓	✓	✓	✓	✓	✓
VESA/WALL/DIN rail mounting kits	-	-	-	-	-	-	-
Swivel / Pivot / Height Adjustable Stand	-	-	-	-	-	-	-
Packaging included							
Power cord	✓	✓	✓	✓	✓	✓	✓
DVI-I to VGA adapter	-	-	-	-	-	-	-
PS2 mouse and keyboard adapter	-	-	-	-	-	-	-
USB optical mouse	✓	✓	✓	✓	✓	✓	✓
Available factory options							
Wi-Fi Antenna configuration	2 external	2 external	2 external	2 external	2 external	2 external	2 external
Built-in 802.11ac wireless / Bluetooth	-	-	-	-	-	-	-
Built-in 802.11ac wireless	Factory option	Factory option	Factory option	Factory option	Factory option	Factory option	Factory option
Built-in smart card reader	-	-	-	-	-	-	-
3G module	-	-	-	-	-	-	-
4G/LTE module	-	-	-	-	-	-	-
GPS + LTE module	-	-	-	-	-	-	-
Additional serial ports (COM)	1 alternative to DVI-D	1 alternative to DVI-D	1 alternative to DVI-D	1 alternative to DVI-D	1 alternative to DVI-D	1 alternative to DVI-D	1 alternative to DVI-D
SD Reader	-	-	-	-	-	-	-
SIM Slot	-	-	-	-	-	-	-
RAM memory expansion	Up to 4GB	Up to 4GB	Up to 4GB	Up to 4GB	-	Up to 8GB	Up to 8GB
Flash memory expansion	-	-	-	-	-	-	-
Internal optional HDD/SSD 2,5" disk	-	-	-	-	-	-	-
Add-on Praim MediaStream Codecs	Included	Add-on License	Add-on License	Add-on License	-	-	-
Power over Ethernet (CLASS 4)	-	-	-	-	-	-	-
Trusted Platform Module (TPM)	-	-	-	-	-	-	-
	N91-HDX Zero Client	N91-RFX Zero Client	N91-HOR Zero Client	N9152 Thin client	N9172 Thin client	N9112 Thin client	N1102 -
Firmware Version	ThinOX v 10	ThinOX v 10	ThinOX v 10	ThinOX v 10	WES 7 SP2	WIN 10 IoT	No O.S.
Architecture	x86	x86	x86	x86	x86	x86	-
System type	32 bit	32 bit	32 bit	32 bit	32 bit	64 bit	-
Version	10.3.4	10.3.4	10.3.4	10.3.4	5.4.0	2.4.0	-
Size	556 MB	496 MB	530 MB	634 MB	~3 GB	~16 GB	-
Quick Boot	-	-	-	-	-	✓	-
UEFI O.S.	-	-	-	-	-	✓	-
UEFI boot	-	-	-	-	-	✓	-
UEFI specification revision	-	-	-	-	-	2.40	-

