

## QNAP TVS-872XT-i5-16G 32TB (Seagate Ironwolf Pro) 8-Bay NAS; Intel core i5-8400T 6-core 1.7 GHz Processor Tower Ethernet LAN Black







**Brand :** QNAP **Product code:** TVS-872XT-I5-16G/32TB-IWPRO

**Product name :** TVS-872XT-i5-16G 32TB (Seagate Ironwolf Pro) 8-Bay NAS; Intel core i5-8400T 6-core 1.7 GHz Processor

- High-speed Thunderbolt™ 3 with SMB protocol, allowing Mac® and Windows® users to collaborate on media editing
- $\hbox{-} 5\hbox{-speed 10GBASE-T RJ45 connectivity accelerates virtualization applications and file sharing across teams and devices}\\$
- PCIe expandability allows the use of an entry-level graphics card to accelerate NAS video processing and GPU computing
- Install M.2 PCIe (Gen 3 x2, 2 GB/s) NVMe SSDs (sold separately) to set up caching or storage pools, improving file access efficiency
- 4K media playback and real-time transcoding; directly view creative works on an HDTV via HDMI 2.0 (4K  $(0.60 \, \text{Hz})$  output
- Snapshots fully record system status and data, allowing you to protect files and data from accidental deletion and malware attacks

Intel Core i5-8400T 1.7 GHz, DDR4, 8x 2.5/3.5" SATA III, 2x M.2, 1x 10G RJ-45, 2x 1G RJ-45, 2x PCIe, USB 3.0, 2x USB 3.1 C, 2x USB 3.1 A, HDMI 2.0, 2x 3.5mm, 188.2x329.3x279.6 mm

Storage		Performance	
Supported storage drive interfaces Storage drive sizes supported Number of M.2 (M & B) slots RAID support * RAID levels Online RAID migration Online RAID expansion RAID rebuild Hot-swap drive bays Supported file systems	Serial ATA III  2.5,3.5"  2  4  0, 1, 5, 6, 10, 50, 60, JBOD  4  4  FAT32, HFS+, NTFS, ext3, ext4	Type * Device class * Backup function * Backup features Buzzer Multilingual support Web-based management Security algorithms Access Control List (ACL)	NAS Small & Medium Business  Cloud, iSCSI LUN    256-bit AES, FIPS 140-2, HTTPS, SNMPv3, SSH, SSL/TLS
Storage drives installed * Number of storage drives supported * Installed storage drive type * Supported storage drive types * Bad block scan	₹ 8 HDD HDD & SSD ₹	Reset button On/off switch Built-in iTunes server Built-in FTP server Browser supported	✓ ✓ Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Processor  Processor frequency *  Processor boost frequency  Processor cache  Bus type  Configurable TDP-down frequency	1.7 GHz 3.3 GHz 9 MB DMI3 1.2 GHz	System log Hot spare S.M.A.R.T. support Share folder Universal Plug and Play (UPnP) USB copy function	✓ ✓ CIFS/SMB ✓
CPU configuration (max) 1  ECC supported by processor X  PCI Express configurations 1x16, 1x8+2x4, 2x8  PCI Express slots version 3.0  Processor cache type Smart Cache  Processor code SR3X6  Processor lithography 14 nm  Processor operating modes 64-bit  Processor package size 37.5 x 37.5 mm  Scalability 1S	Software  Operating system version Windows operating systems supported Linux operating systems supported  Mac operating systems supported	4.4.0 Windows 10, Windows 7, Windows 8  Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks	
Stepping System bus rate Tjunction	U0 8 GT/s 100 °C	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016

Processor         Power         Power supply location         Builtin           Maximum internal memory supported by processor processor (mass) patrol by processor (mass) processor (mas				
Maximum internal memory is apported by professor years plant with supported by professor years plant with supported by professor years plant with supported by professor years years plant years	Processor		Power	
supported by processor (max)         64 Le Bits         Al, e Bits         Act (not) voltage         100 - 240 V           Memory bandwidth supported by processor (max)         4         Act (not) voltage         100 - 240 V           Memory         Weight & dimensions         100 - 240 V           Memory John         DDR4         Depth *         279.6 mm           Maximum RMA supported         32 CB         Height *         1882 mm           Memory Job's         16 GB         Perkaging content           Flash memory         16 GB         Perkaging content           Ethernet LAN *         1,000,1000,1000,0000 Mbits         Processor special features           Ethernet LAN data rates         1,010,1000,1000,0000 Mbits         Enhanced lards Speedstep         X           Ethernet LAN data rates supported (max)         X         Enhanced lard Speedstep         X           Elbernet LAN data rates supported (max)         X         Enhanced lard Speedstep         X           DICP server         V         Execute Disable Bit (max)         X           DICP server         V         Execute Disable Bit (max)         X           DICP server         V         Execute Disable Bit (max)         X           USS port *         V         Intel Gard State         X <td>Thermal Design Power (TDP)</td> <td>35 W</td> <td></td> <td></td>	Thermal Design Power (TDP)	35 W		
Memory pandwidth supported by processor (max)   Fan voltage   10 - 240 V   Fan voltage   12 V   Fan voltage   1		64 GB		
Conflict-Free processor         Weight & dimensions           Memory         United an amemory type         DDM4         Width * 1         329.3 mm           Maarimum RMB supported         32 CB         Height * 1         188.2 mm           Memory sibos         2         Height * 1         188.2 mm           Flash memory         40 GM B         Packaging content           Rish memory         40 GM B         Packaging content           Elbernet LAN data rates supported         7         Processor special features           Elbernet LAN data rates supported         7         Processor special features         7           W.F.F.         X         Elbernet LAN data rates supported         7         Intel State in Manace dinel Specedition of Package data with a state of Package data with a s		41.6 GB/s	· -	
Memory   Memory   Midth   Mi	Conflict-Free processor	✓	Fan Voltage	12 V
Internal memory type	Memory		Weight & dimensions	
Maximum RAM supported         32 GB         Depth **         279.6 km           Memony slots         2         Height **         1802 mm         1.00 kg           Flash memory         16 GB         Peckaging content           Network         Cables included         AC, LAN (R)-45           Ethernet LAN **         Cables included         AC, LAN (R)-45           Ethernet LAN data rates         1,000,000,1000,0000 Mbir/s         Embedded options available         X           Ethernet LAN data rate supported (max)         1,000,000,1000,0000 Mbir/s         Embedded options available         X           Ethernet LAN data rate support         1,000,000,1000,000 Mbir/s         Embedded options available         X           Ethernet LAN data rate support         4         Cable States         4           DICP client         X         Embedded options available         X           Enhanced Intel SpeedStep         Cable States         4           DICP client         X         Cable States         4           DICP client         X         Cable States         4           UNIDAD CRAIN cast         Cable States         4         4           UNIDAD CRAIN cast         TCPIPL, PLA, IPV6         Intel Client Video Technology         1           UNIDAD	•	DDR4	Width *	329.3 mm
Memory   105   106   1	• • •		Depth *	
Internal memory   16 GB	''		•	
Selection   Sele	Internal memory *	16 GB	Weight	7.06 kg
Ethemet LAN *	Flash memory	4000 MB	Packaging content	
Ethernet LAN data rates  Ethernet LAN data rates  Ethernet LAN data rates  Ethernet LAN data rates  10.100,1000,1000,10000 mbit/s  Ethernet LAN data rate supported (max)  Wi-Fi  Wi-Fi  Wi-Fi  Wi-Fi  Wi-Fi  Wi-Fi  Wi-Fi  Wi-Fi  DHCP clent  Vi Cherology  Vi Intel Glav Video Technology  Vi Intel 64  Vi Intel 64  Vi Intel 64  Vi Intel 64  Vi Intel 65 states  Vi Intel 66 states  Vi Intel 61 state Video Technology  Vi Make-on-LAN ready  Vi Intel 61 states  Vi Intel 61	Network		Cables included	AC, LAN (RJ-45)
Ethernet LAN data rate supported (max)	Ethernet LAN *	1	Quick installation guide	✓
Chanax   Minimum   Minim		•	Processor special features	
Enhanced Intel SpeedStep	Ethernet LAN data rate supported	10000 Mbit/c	Embedded options available	×
DHCP client		10000 MDIC/S	Enhanced Intel SpeedStep	1
DHCP server   V		×	•	•
Jumbo frames support   SCSI support   SCSI support   Very		<b>√</b>		<b>√</b>
iSCSI support  Wake-on-LAN ready  Vake-on-LAN read		1		1
Wake-on-LAN ready         / Intel Enhanced Halt State         / Capprete network protocols         TCP/P, IPv4, IPv6         intel Identity Protection Technology         1.00           Dynamic DNS (DDNS)         / Intel Secure Key Technology version         1.00           WLAN adapter supported         / Intel Secure Key Technology version         1.00           BOS 5, Sep 1 (3.1 Gen 1) Type-A ports quantity         / Intel Tsx-NI wersion         0.00           USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity         2         Intel Tsx-NI version         0.00           USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity         2         Intel Virtualization Technology (VT-your constitution)         / Capper (VIII)           HOMI ports quantity         1         Intel Virtualization Technology for Directed (JO (VT-d))         / Capper (VIII-d)           HOMI ports quantity         1         Intel VIrx with Extended Page         / Capper (VIII-d)           Thunderbolt 3 ports quantity         2         Intel® (Capper Video HD Technology (Intel® (Capper Video HD Technology (Intel® (Capper Video HD Technology (Intel® (Capper Video Technology (Intel®	•	4		4
Supported network protocols         TCP/IP, IPv4, IPv6         Intel Identity Protection Technology         1.00           Dynamic DNS (IDDNS)         Y         Intel Secure Key Technology version         1.00           WLNA adapter supported         Intel Stable Image Platform Program         X           USB port *         Intel Trusted Execution Technology         X           USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity         1         Intel TSX-NI version         0.00           USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity         2         Intel Virtualization Technology for Directed I/O (VT-d)         V           USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity         2         Intel Virtualization Technology for Directed I/O (VT-d)         V           USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity         1         Intel Virtualization Technology for Directed I/O (VT-d)         V           USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity         2         Intel Virtualization Technology for Directed I/O (VT-d)         V           USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity         1         Intel Virtualization Technology for Directed I/O (VT-d)         V           USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity         1         Intel Virtualization Technology         V           Ethernet LAN (R)-45) ports 4         3         Intel Virtualization Technology         V	• •	1	3,	1
Dynamic DNS (DDNS)   Vical Madapter supported   Vical Manager Platform Program   Vical Manager Pl	•	TCP/IP. IPv4. IPv6		1.00
Intel Stable Image Platform Program	• • • • • • • • • • • • • • • • • • • •	<b>✓</b>		1.00
USB port	WLAN adapter supported	✓		
USB port*  Intel Trusted Execution Technology  X  USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity  USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity  USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity  USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity  USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity  USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity  1 Intel Virtualization Technology (VT- x)  USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity  1 Intel Virtualization Technology for Directed (VO (VT-d))  HDMI ports quantity  1 Intel Virtualization Technology for Directed (VO (VT-d))  HDMI ports quantity  2 Intel® AES New Instructions (Intel® 4.5 Nin)  Intel® Clear Video HD Technology (Intel® Clear Video HD Technology for Mobile Internet Devices (Intel CVT for MID)  Graphics  Graphics  Graphics  Graphics card base frequency Grequency  On-board graphics card base frequency (max)  On-board graphics card dynamic frequency (max)  On-board graphics card ID  Maximum on-board graphics card memory  Maximum on-board graphics card memory  Maximum on-board graphics card memory  Design  Tower  Chassis type *  Chassis type *  Tower  Chassis type *  Tower  Cooling type *  Active  Thermal Monitoring Technology  Maximum number of PCI Express lanes  Cooling type *  Active  Thermal Monitoring Technologies  For Memory channels supported by processor  For MiD  Dual  DDR4-SDRAM  DDR4-SDRAM  DDR4-SDRAM  Cable lock slot   Operating temperature (T-T)	Ports & interfaces			×
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity   Intel TSX-NI version   0.00     USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity   2   Intel Virtualization Technology (VT-x) ports quantity   1   Intel VIT-x with Extended Page Tethernet LAN (R)-45) ports quantity   2   Intel VIT-x with Extended Page Tables (EPT)   Tab		1		•
Intel TSX-NI version   0.00	•		<del></del>	
ports quantity         2         Intel Virtualization Technology for Directed I/O (VT-d)         √           USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity         2         Intel Virtualization Technology for Directed I/O (VT-d)         ✓           HDMI ports quantity         1         Intel VT-x with Extended Page Tables (EPT)         ✓           Thunderbolt 3 ports quantity         2         Intel® AES New Instructions (Intel® VT-x with Extended Page AES New Instructions (Intel® Cervice Page Page AES New Instructions (Intel® VT-x with Extended Page AES New Instru		1		
Section   Sect		2	Intel Virtualization Technology (VT-	,
ports quantity 1  HDMI ports quantity 1  HDMI ports quantity 1  Intel VT-x with Extended Page 1  Thunderbolt 3 ports quantity 2  Intel® AES New Instructions (Intel® 4  AES-NI) 3.5 mm (1/8-inch) out 4  PCI Express x4 (Gen 3.x) slots 1  Microphone in 4  Graphics 1  On-board graphics card base frequency (Intel® AES) New Instructions (Intel® Clear Video HD Technology for Mobile Internet Devices (Intel CVT or MID)  On-board graphics card base frequency (Intel® Clear Video Technology (Intel® Clear Video Technology for MID)  On-board graphics card dynamic frequency (Intel® Hyper Threading Technology (Intel® IPT) 4  On-board graphics card dynamic frequency (Intel® Hyper Threading Technology (Intel® IPT) 4  Number of displays supported (on board graphics) 3  Intel® Intel® Olick Sync Video Technology 4  Maximum on-board graphics card nemory 1  Number of displays supported (on board graphics) 3  Intel® Quick Sync Video Technology 4  Maximum on-board graphics nemory 1  Maximum on-board graphics nemory 1  Maximum on-board graphics nemory 1  Number of displays supported (on board graphics) 3  Intel® Quick Sync Video Technology 4  Maximum number of PCI Express 1  Intel® Quick Sync Video Technology 2  Design 1  Number of displays 4  Active 1  Maximum number of PCI Express 1  Intel® Design 1  Maximum number of PCI Express 1  Intel® Technologies 4  Thermal Monitoring Technologies 4  Number of fans 4 fan(s) 4  Memory channels supported by processor 1  Dual 1  Dark-SDRAM 1  DEPARSORAM 1  DEPARSO	-			*
HDMI ports quantity   1		2	3,	✓
Ethernet LAN (RJ-45) ports*         3         Tables (EPT)           Thunderbolt 3 ports quantity         2         Intel® AES New Instructions (Intel® AES New Instructions (Intel® AES New Instructions) (Intel® CES Video HD Technology of Ces New Instructions) (Intel® CES Video HD Technology for Mobile Internet Devices (Intel CVT HD)           Graphics         350 MHz         Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT HD)           On-board graphics card base frequency         350 MHz         Intel® Hyper Threading Technology         Accompany (Intel® HT Technology)           On-board graphics card dynamic frequency (max)         1050 MHz         Intel® Intru® Intel®	HDMI ports quantity	1		
3.5 mm (1/8-inch) out       ✓       AES-NI)       Intel® Clear Video HD Technology (Intel® CVT HD)       ✓         Microphone in       ✓       Intel® Clear Video Technology (Intel® CVT HD)       ✓         Graphics         Graphics         On-board graphics card base frequency       350 MHz       Intel® Hyper Threading Technology (Intel® HT Technology)       X         On-board graphics card dynamic frequency (max)       1050 MHz       Intel® InTru™ 3D Technology (Intel® IPT or       X         On-board graphics card ID       0x3E92       Intel® InTru™ 3D Technology       X         Maximum on-board graphics card memory       64 GB       Intel® OS Guard       X         Number of displays supported (onboard graphics)       3       Intel® Clear Video Technology       X         Design         Chassis type *       Intel® OS Guard       X         Chassis type *       Intel® Turbo Boost Technology       2.0         Chassis type *       Active       Maximum number of PCI Express lanes       16         Cooling type *       Active       Thermal Monitoring Technologies       X         Product colour       Black       Thermal solution specification       PCG 2015A         Number of fans       4 fan(s)       Memory types supported by proces	Ethernet LAN (RJ-45) ports *	3	3	<b>V</b>
PCI Express x4 (Gen 3.x) slots 1 Microphone in	, , ,	2		✓
Microphone in      Microphone in		✓	•	
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)         On-board graphics card base frequency       350 MHz       Intel® Hyper Threading Technology (Intel® HT Technology)       X         On-board graphics card dynamic frequency (max)       1050 MHz       Intel® Identity Protection Technology (Intel® IPT)       √         On-board graphics card ID       0x3E92       Intel® InTru™ 3D Technology       ✓         Maximum on-board graphics card memory       64 GB       Intel® OS Guard       ✓         Number of displays supported (onboard graphics)       3       Intel® Quick Sync Video Technology       ✓         Number of displays supported (onboard graphics)       3       Intel® Turbo Boost Technology       ✓         Pesign       Tower       Maximum number of PCI Express lanes       16         Cooling type *       Active       Thermal Monitoring Technologies       ✓         Product colour       Black       Thermal solution specification       PCG 2015A         Number of fans       4 fan(s)       Memory types supported by processor       Dual         Fan diameter       12 cm       Memory types supported by processor       DDR4-SDRAM         LED indicators       HDD, LAN, USB       Operational conditions         Gable lock slot       ✓       Operational conditions	·	1		✓
On-board graphics card base frequency       350 MHz       Intel® Hyper Threading Technology (Intel® HT Technology)       ★         On-board graphics card dynamic frequency (max)       1050 MHz       Intel® Intel® Intel® Intru™ 3D Technology (Intel® IPT)       ★         On-board graphics card ID       0x3E92       Intel® Intru™ 3D Technology (Intel® IPT)       ★         Maximum on-board graphics card memory       64 GB       Intel® OS Guard       ★         Number of displays supported (onboard graphics)       3       Intel® Quick Sync Video Technology       ★         Number of displays supported (onboard graphics)       3       Intel® Turbo Boost Technology       ★         Number of displays supported (onboard graphics)       4       Turbo Boost Technology       ★         Chassis type *       Tower       Maximum number of PCI Express lanes       16         Cooling type *       Active       Thermal Monitoring Technologies       ★         Product colour       Black       Thermal solution specification       PCG 2015A         Number of fans       4 fan(s)       Memory channels supported by processor       Dual         Fan diameter       2       6 cm       Memory types supported by processor       DDR4-SDRAM         ELD indicators       HDD, LAN, USB       Operating temperature (T-T)       0 - 40 °C	Microphone in	<b>✓</b>	Intel® Clear Video Technology for	
On-board graphics card base frequency     350 MHz     Intel® Hyper Threading Technology (Intel® HT Technology)     ★       On-board graphics card dynamic frequency (max)     1050 MHz     Intel® Identity Protection Technology (Intel® IPT)     ★       On-board graphics card ID     0x3E92     Intel® InTru™ 3D Technology     ✓       Maximum on-board graphics card memory     64 GB     Intel® OS Guard     ✓       Number of displays supported (onboard graphics)     3     Intel® Quick Sync Video Technology     ✓       Number of displays supported (onboard graphics)     Intel® Secure Key     ✓       Chassis type *     Intel® Turbo Boost Technology     2.0       Chassis type *     Active     Maximum number of PCI Express lanes     16       Cooling type *     Active     Thermal solution specification     PCG 2015A       Number of fans     4 fan(s)     Memory channels supported by processor     Dual       Fan diameter     12 cm     Memory types supported by processor     DDR4-SDRAM       Eb indicators     HDD, LAN, USB     Operational conditions       Cable lock slot     ✓     Operational conditions	Graphics			✓
On-board graphics card dynamic frequency (max)  On-board graphics card ID  On-board graphics card ID  Maximum on-board graphics card memory  Number of displays supported (onboard graphics)  Onesign  Chassis type *  Cooling type *  Active  Thermal Monitoring Technologies  Product colour  Black  Number of fans  4 fan(s)  Fan diameter  12 cm  Fan diameter  12 cm  Fan diameter  12 cm  Fan diameter  LED indicators  Built-in display  Card  Number of graphics card ID  Ox3E92  Intel® InTru™ 3D Technology  Intel® Oyuck Sync Video Technology  Intel® Secure Key  Intel® Turbo Boost Technology  Aximum number of PCI Express  lanes  16  Aximum number of PCI Express  lanes  16  Thermal Monitoring Technologies  Intermal solution specification  PCG 2015A  Number of fans  4 fan(s)  Memory channels supported by processor  Fan diameter 2  6 cm  Memory types supported by processor  Fan diameter 3  LED indicators  HDD, LAN, USB  Built-in display  ✓  Operational conditions  Cable lock slot  Voerational temperature (T-T)  O - 40 °C		350 MHz	•	
frequency (max)1050 MHzIntel® Identity Protection Technology (Intel® IPT)✓On-board graphics card ID0x3E92Intel® InTru™ 3D Technology✓Maximum on-board graphics card memory64 GBIntel® OS Guard✓Number of displays supported (onboard graphics)3Intel® Quick Sync Video Technology✓DesignIntel® Secure Key✓Chassis type *TowerMaximum number of PCI Express lanes16Cooling type *ActiveThermal Monitoring Technologies✓Product colourBlackThermal solution specificationPCG 2015ANumber of fans4 fan(s)Memory channels supported by processorPCG 2015AFan diameter12 cmMemory types supported by processorDDR4-SDRAMLED indicatorsHDD, LAN, USBOperational conditionsBuilt-in display✓Operational conditionsCable lock slot✓Operating temperature (T-T)0 - 40 °C			(Intel® HT Technology)	×
On-board graphics card ID  Maximum on-board graphics card memory  Number of displays supported (onboard graphics)  Pesign  Chassis type * Cooling type * Product colour Number of fans A fan(s) Fan diameter 2 Intel® (one the memory of the memory)  Number of displays supported (onboard graphics)  Operating the memory  Number of displays supported (onboard graphics)  Active Thermal Monitoring Technology Fan diameter 2 Intel® Turbo Boost Technology  Active Thermal Monitoring Technologies  Memory channels supported by processor Fan diameter 2 Intel® Turbo Boost Technology  Active Thermal Monitoring Technologies  Memory channels supported by processor Fan diameter 2 Intel® Ouick Sync Video Technology  Active  Maximum number of PCI Express lanes  Memory channels supported by processor  Memory channels supported by processor  Memory types supported by processor  Active  Memory types supported by processor  DDR4-SDRAM  DDR4-SDRAM  Operational conditions  Cable lock slot  Operating temperature (T-T)  O - 40 °C		1050 MHz	•	<b>√</b>
Maximum on-board graphics card memory  Number of displays supported (on-board graphics)  Pesign  Chassis type * Cooling type * Product colour  Number of fans A fan(s) Fan diameter Fan diameter Fan diameter 2 LED indicators  Built-in display  Cable lock slot  Maximum non-board graphics and far intel® OS Guard  Intel® OS Guard  Mintel® Quick Sync Video Technology  Maximum number of PCI Express Intel® Turbo Boost Technology  Adaptive  Maximum number of PCI Express Intel® OS Guard  Maximum number of Fen intel® OS Guard  Maximum number of PCI Express Intel® Outen Fen intel® Os Guard  Maximum number of PCI Express Intel® Outen Fen intel® Os Guard  Maximum number of PCI Express Intel® Outen Fen int	On-board graphics card ID	0x3E92	3, ,	,
Number of displays supported (onboard graphics)    Intel® Quick Sync Video Technology	<b>5</b> .	64 GB	• •	
Intel® Secure Key   Value	•	<del></del>		
Design       Intel® Turbo Boost Technology       2.0         Chassis type *       Tower       Maximum number of PCI Express lanes       16         Cooling type *       Active       Thermal Monitoring Technologies       ✓         Product colour       Black       Thermal solution specification       PCG 2015A         Number of fans       4 fan(s)       Memory channels supported by processor       Dual         Fan diameter       12 cm       Memory types supported by processor       DDR4-SDRAM         LED indicators       HDD, LAN, USB       Operational conditions         Built-in display       ✓       Operational conditions         Cable lock slot       ✓       Operating temperature (T-T)       0 - 40 °C		3	•	
Chassis type * Tower Cooling type * Active Product colour Number of fans Fan diameter Fan diameter 2 LED indicators Built-in display Cable lock slot  Tower Active Thermal Monitoring Technologies Thermal solution specification Memory channels supported by processor Memory types supported by processor  Memory types supported by processor  Memory types supported by processor  Operational conditions  16  Cable lock slot  Active Thermal Monitoring Technologies  Active Thermal Monitoring Technologies  Active Thermal Monitoring Technologies  Active Thermal Monitoring Technologies Active Thermal Monitori			· ·	
Cooling type * Active Thermal Monitoring Technologies   Product colour Black Thermal solution specification PCG 2015A  Number of fans	-	Tower	Maximum number of PCI Express	
Product colour  Number of fans 4 fan(s) Fan diameter 12 cm Memory channels supported by processor Fan diameter 2 LED indicators Built-in display Cable lock slot  Black Thermal solution specification Memory channels supported by processor  Memory types supported by processor  DDR4-SDRAM  Operational conditions  Operating temperature (T-T)  0 - 40 °C	**			
Number of fans 4 fan(s) Memory channels supported by processor Fan diameter 2 LED indicators Built-in display Cable lock slot  4 fan(s) Memory channels supported by processor Memory types supported by processor  Memory types supported by processor  DDR4-SDRAM  Operational conditions  Operating temperature (T-T)  0 - 40 °C	- ··			
Fan diameter 12 cm processor  Fan diameter 2 6 cm Memory types supported by processor  LED indicators HDD, LAN, USB  Built-in display  Cable lock slot   DDR4-SDRAM  DDR4-SDRAM  Operational conditions  Operating temperature (T-T) 0 - 40 °C			·	PCG 2015A
Fan diameter 2 6 cm Memory types supported by processor DDR4-SDRAM  LED indicators HDD, LAN, USB  Built-in display  Cable lock slot   Memory types supported by processor  Operational conditions  Operating temperature (T-T) 0 - 40 °C				Dual
LED indicators HDD, LAN, USB  Built-in display ✓ Operational conditions  Cable lock slot ✓ Operating temperature (T-T) 0 - 40 °C			•	DDD4_SDDAM
Cable lock slot   ✓ Operating temperature (T-T) 0 - 40 °C	LED indicators	HDD, LAN, USB	processor	אואטחכ-4טטע
Operating temperature (1-1) 0 - 40 C	Built-in display	✓	Operational conditions	
Cable lock slot type Kensington	Cable lock slot	✓	Operating temperature (T-T)	0 - 40 °C
	Cable lock slot type	Kensington		

Design		Operational conditions	
Built-in speaker(s) Number of built-in speakers	1	Operating relative humidity (H-H)	5 - 95%
		Other features	
		Digital Living Network Alliance (DLNA) certified	✓

