ideacentre 720 Intel 90H0005TGE

Region
WE

Country
Germany

Machine Type
90H0

Processor
Core i7-7700 (4C, 3.6 / 4.2GHz, 8MB)

Graphics
NVIDIA GeForce GTX 1060 6GB GDDR5

Chipset
Intel B250

Memory
16GBx1 DDR4-2400

Storage
128GB SSD M.2 PCIe NVMe + 1TB 7200rpm 3.5"

Optical
DVD±RW

Media Reader
7-in-1

WLAN + Bluetooth
11ac, 1x1 + BT4.0

Keyboard / Mouse
USB Black / USB Black

System Fan
One Front + One Rear

Power Supply
400W Energy Star

Operating System
Windows 10 Home 64

Warranty
2-year, Depot

Ann Date (mm/yy)
11/17

Note:

* Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "**" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

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ideacentre 720 Intel Platform Specifications

Processor

ICB: Intel® Pentium® Processor or 8th Generation Intel Core™ i3 / i5 / i7 Processors

Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics
Pentium Gold G5400	2 / 4	3.7 GHz	4 MB	DDR4-2400	Intel UHD Graphics 610
Core i3-8100	4 / 4	3.6 GHz	6 MB	DDR4-2400	Intel UHD Graphics 630
Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB	DDR4-2666	
Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB		

IKL: Intel Celeron® Processor, Intel Pentium Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processors

Processor	Cores / Threads	Frequency (Base/Max)	L2 Cache	Memory Types	Integrated Graphics
Celeron G3930	2 / 2	2.9 GHz	2 MB	DDR4-2133	Intel HD Graphics 610
Pentium G4560	2 / 4	3.5 GHz	3 MB	DDR4-2400	
Core i3-7100	2 / 4	3.9 GHz	3 MB	DDR4-2400	Intel HD Graphics 630
Core i5-7400	4 / 4	3.0 GHz / 3.5 GHz	6 MB	DDR4-2400	
Core i7-7700	4 / 8	3.6 GHz / 4.2 GHz	8 MB	DDR4-2400	

Memory

IKL: 32GB max, 2400MHz DDR4, two UDIMM sockets
ICB: 32GB max, 2666MHz DDR4, two UDIMM sockets

Storage

Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x4, 32Gb/s
Some: Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x2, 16Gb/s, M.2
* 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s

Optical *(optional)*: DVD±RW, SATA 1.5Gb/s, 9mm slim
Onboard SATA: *IKL:* SATA 6.0Gb/s controller, four SATA connectors
ICB: SATA 6.0Gb/s controller, three SATA connectors
Media reader: Optional 7-in-1 media reader

Graphics

Some: Intel HD Graphics 610 / 630 or UHD Graphics 610 / 630 in processor, uses main memory, DirectX® 12
Some: NVIDIA® Geforce® GT 730, DirectX 12, 2GB GDDR3 or GDDR5, PCIe 2.0 x8 adapter, VGA x1, HDMI x1
Some: NVIDIA Geforce GTX 1050Ti, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX12, DVI x1, HDMI x1, DP x1
Some: NVIDIA Geforce GTX 1060, 6GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x3
Some: AMD Radeon R5 460, DirectX 12, 4GB GDDR5, PCIe 3.0 x8 adapter, DVI x1, HDMI x1, DP x1
Some: AMD Radeon RX 480, DirectX 12, 8GB GDDR5, PCIe 3.0 x16 adapter, HDMI x1, DP x3
Some: AMD Radeon RX 550, DirectX 12, 2GB GDDR5, PCIe 3.0 x16 adapter, VGA x1, HDMI x1, DP x1
Some: AMD Radeon RX 560, DirectX 12, 4GB GDDR5, PCIe 3.0 x16 adapter, DVI x1, HDMI x1, DP x1
Some: AMD Radeon RX 570, DirectX 12, 4GB GDDR5, PCIe 3.0 x16 adapter, HDMI x1, DP x3

Chipset

ICB: Intel B360 chipset; *IKL:* Intel B250 chipset

Front ports

IKL: four USB 3.1 Gen1, one headphone / microphone combo jack (3.5mm), one microphone (3.5mm), optional media reader
ICB: two USB 3.1 Gen1, two USB 3.1 Gen2, one USB 3.1 Type-C Gen1 one headphone / microphone combo jack (3.5mm), one microphone (3.5mm), optional media reader

Rear ports

IKL: two USB 2.0, two USB 3.1 Gen1, ethernet (RJ-45), VGA, HDMI (1.4), power connector, line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm)
ICB: four USB 2.0, ethernet (RJ-45), VGA, HDMI (1.4), power connector, one headphone / microphone combo jack (3.5mm)

Audio support

High Definition (HD) Audio, Realtek ALC662

WLAN *(optional)*

Some: 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1
Some: 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 2x2

Bluetooth™ *(opt)*

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Realtek® RTL8111GN (IKL model) or Intel I219-V (for ICB)

Security features

- Power-on password
- Hard-disk password
- Administrator password
- Kensington® lock

Keyboard *(opt)*

Some: Lenovo Calliope Keyboard (USB connector), Fn keys, black or silver
Some: Lenovo Calliope Wireless Keyboard, Fn keys, black or silver

Mouse *(optional)*

Some: Lenovo Calliope Mouse (USB connector),1600 dpi, black or silver
Some: Lenovo Calliope Wireless Mouse, 1200 dpi
Some: Lenovo Fingerprint Mouse (USB connector), 1600 dpi

Mechanical

- Tower (18L), silver / black color
- Dimensions (WxDxH): 6.5" x 12.76" x 14.8"; 165mm x 324mm x 376mm
- Weights (net weight): 17.64 lb (8 kg), weight may vary by configuration
- Optional front and rear system fan

Bay 1: slim ODD bay
Bay 2: 5.25", ODD bay (without 3.5" HDD bracket)
Bay 3: 3.5" or 2.5", HDD bay
Slot 1: full-length, full-height, PCIe x16
Slot 2: full-length, full-height, PCIe x1
PCIe M.2 slot x2 (one for WLAN, another for SSD / Optane memory)

Power supply

Some: 180 watts, autosensing, EnergyStar 6.1, universal (100V-240V)
Some: 250 watts, autosensing, EnergyStar 6.1, universal (100V-240V)
Some: 400 watts, autosensing, EnergyStar 6.1, universal (100V-240V)

Limited warranty

- 1-year, limited mail-in service / service upgrades available
- 1-year or 2-year, depot repair service / service upgrades available

Preload

Preloaded operating system
Some: Windows® 10 Home 64
Some: Windows 10 Pro 64
Preloaded applications (only some listed)

- Lenovo® Rescue System
- Lenovo Companion
- Lenovo ID
- Adobe® Reader®

Environment

IKL: ENERGY STAR® 6.1; ErP Lot 3; GREENGURAD®; RoHS-compliant
ICB: ENERGY STAR® 6.1 (support version 7.0 after November); ErP Lot 3; RoHS-compliant

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