

# ideacentre Y900-34ISZ Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 / i7 Processors						Security features	<ul style="list-style-type: none"> <li>• Security slot (in rear for Kensington® MicroSaver® cable)</li> <li>• Power-on password</li> <li>• Administrator password</li> </ul>
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics		Keyboard <i>Some:</i> full-size, Gaming K800 USB keyboard , Fn keys, black <i>Some:</i> full-size USB keyboard, Fn keys, black silk Mouse <i>Some:</i> USB mouse Gaming M800, black <i>Some:</i> USB optical mouse, black silk
	Core i5-6600K	4 / 4	3.5 GHz / 3.9 GHz	6 MB	DDR4-2133	Intel HD Graphics 530		
	Core i7-6700	4 / 8	3.4 GHz / 4.0 GHz	8 MB	DDR4-2133			
Core i7-6700K	4 / 8	4.0 GHz / 4.2 GHz	8 MB	DDR4-2133				
Memory	32GB max, PC4-17000 2133MHz DDR4, four 288-pin UDIMM sockets						Mechanical	<ul style="list-style-type: none"> <li>• Tower (34L), black color</li> <li>• Dimensions (WxDxH): 8.12" x 19.82" x 18.85"; 206.4mm x 503.5mm x 478.9mm</li> <li>• Weights (net weight): 33.1 lb (15 kg)</li> <li>• Top water cooling (under top)</li> <li>Bay 1: 5.25", access, optical (optional)</li> <li>Bay 2: 5.25", no access, disk</li> <li>Bay 3-bay 6: 3.5", no access, disk (with 3.5" to 2.5" bracket)</li> <li>Slot 1: half-length, full-height, PCIe x1</li> <li>Slot 2: half-length, full-height, PCIe x16, for discrete graphics</li> <li>Slot 3: half-length, full-height, PCIe x1</li> <li>Slot 4: half-length, full-height, PCIe x1</li> <li>Slot 5: half-length, full-height, PCIe x16, for discrete graphics</li> <li>Slot 6: half-length, full-height, PCIe x1</li> <li>Slot 7: half-length, full-height, PCIe x1</li> </ul>
Disk	<i>Some:</i> Solid State Hybrid Drive (SSHD) with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 7200 rpm, 3.5" wide <i>Some:</i> SATA 6.0Gb/s, 3.5" wide, 7200 rpm <i>Some:</i> SSD / 2.5" wide, SATA 6.0Gb/s							
M.2 SSD (opt)	M.2 Solid State Drive (SSD), via M.2 card slot							
Optical	<i>Some:</i> DVD±RW SATA <i>Some:</i> Blu-ray burner DVD±RW SATA							
Onboard SATA Media reader	SATA 6.0Gb/s controller (integrated in chipset), six SATA 6.0Gb/s connectors 7-in-1 media reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS Pro)						Power supply	<ul style="list-style-type: none"> <li><i>Some:</i> 625 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (110V-220V)</li> <li><i>Some:</i> 450 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (110V-220V)</li> </ul>
Graphics	Intel HD Graphics 530 in processor, uses main memory, DirectX® 12, one VGA, one HDMI, one DVI, supports three independent displays; <i>Some:</i> NVIDIA Geforce GTX960, 2GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DP x1, HDMI x1, DVI x2 <i>Some:</i> NVIDIA Geforce GTX970, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x3 <i>Some:</i> NVIDIA Geforce GTX980, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x3 <i>Some:</i> AMD Radeon R9 370X, 4GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DP x1, HDMI x1, DVI x2 <i>Some:</i> Dual NVIDIA Geforce GTX1070, 8GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DP x3, HDMI x1, DVI x1 <i>Some:</i> NVIDIA Geforce GTX1080, 8GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DP x3, HDMI x1, DVI x1 <i>Some:</i> AMD Radeon RX480, 8GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DP x3, HDMI x1							
Chipset	Intel Z170 Chipset							
Front ports	Two USB 3.0 (one for Always On Charging), two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)							
Rear ports	Four USB 3.0, two USB 2.0, ethernet (RJ-45), PS/2 keyboard port, power connector, one VGA, one HDMI, one DVI additional VGA, DVI, DP or HDMI on optional graphic card on some models *Onboard VGA, HDMI and DVI are unavailable on discrete models						Limited warranty	1-year, limited onsite service / service upgrades available
Rear audio ports	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), surround-out (3.5mm), center/low frequency-out (3.5mm), S/PDIF-out							
IEEE 1394	None							
Audio support	High Definition (HD) Audio, Realtek ALC892							
WLAN	11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 2x2						Preload	Preloaded operating system Windows® 10 Home 64 Preloaded applications (only some listed)
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
Ethernet	One gigabit ethernet port, Realtek RTL8111GN							
Modem	None							
Environment	ENERGY STAR® 6.1 (Need 85% PSU); RoHS-compliant							

See footnotes for more detailed information

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# ideacentre Y900 RE-34ISZ Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i7 Processor						Security features	<ul style="list-style-type: none"> <li>• Security slot (in rear for Kensington® keyhole)</li> <li>• Power-on password</li> <li>• Administrator password</li> </ul>
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics		
	Core i7-6700K	4 / 8	4.0 GHz / 4.2 GHz	8 MB	DDR4-2133	Intel HD Graphics 530	Keyboard Mouse	Full-size, Razer™ BlackWidow Chroma mechanical keyboard, USB, Fn keys, black Razer Mamba tournament edition mouse, USB, black
Memory	64GB max, PC4-17000 2133MHz DDR4, four 288-pin UDIMM sockets						Mechanical	<ul style="list-style-type: none"> <li>• Tower (34L), black color</li> <li>• Dimensions (WxDxH): 8.12" x 19.82" x 18.85"; 206.4mm x 503.5mm x 478.9mm</li> <li>• Weights (net weight): 35.3 lb (16 kg)</li> <li>• Top water cooling (under top)</li> <li>Bay 1: 5.25", access, optical</li> <li>Bay 2: 5.25", no access</li> <li>Bay 3-bay 6: 3.5", no access, disk (with 3.5" to 2.5" bracket)</li> <li>Slot 1: half-length, full-height, PCIe x1</li> <li>Slot 2: half-length, full-height, PCIe x16, for discrete graphics</li> <li>Slot 3: half-length, full-height, PCIe x1</li> <li>Slot 4: half-length, full-height, PCIe x1</li> <li>Slot 5: half-length, full-height, PCIe x16, for discrete graphics</li> <li>Slot 6: half-length, full-height, PCIe x1</li> <li>Slot 7: half-length, full-height, PCIe x1</li> </ul>
Disk	SATA 6.0Gb/s, 3.5" wide, 7200 rpm							
M.2 SSD	Some: M.2 SSD / PCIe 3.0 x 4							
Optical	Some: M.2 SSD / SATA							
	Some: DVD±RW SATA							
Onboard SATA	SATA 6.0Gb/s controller (integrated in chipset), six SATA 6.0Gb/s connectors							
Media reader	7-in-1 media reader (SD, SDHC, SDXC, MMC, MMC plus, MS, MS Pro)							
Graphics	Intel HD Graphics 530 in processor, uses main memory, DirectX® 12, one VGA, one HDMI, one DVI, supports three independent displays; Some: NVIDIA Geforce GTX1080, 8GB GDDR5, PCIe 3.0 x16 adapter, DirectX 12, DVI x1, HDMI x1, DP x3							
Chipset	Intel Z170 Chipset							
Front ports	Two USB 3.0 (one for Always On Charging), two USB 2.0, microphone (3.5mm), headphone (3.5mm)							
Rear ports	Four USB 3.0, two USB 2.0, ethernet (RJ-45), PS/2 port, power connector, one VGA, one HDMI, one DVI							
Rear audio ports	*Onboard VGA, HDMI and DVI are unavailable on discrete models							
IEEE 1394	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), surround-out (3.5mm), center/low frequency-out (3.5mm), S/PDIF-out							
Audio support	None							
WLAN	High Definition (HD) Audio, Realtek ALC892							
Bluetooth™	11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 2x2							
Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
Modem	One gigabit ethernet port, Realtek RTL8111GN							
	None						Power supply	625 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (110V-220V)
							Limited warranty	1-year, limited Mail-in service / service upgrades available
							Preload	Preloaded operating system Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 Preloaded applications (only some listed)
								<ul style="list-style-type: none"> <li>• Lenovo® Rescue System</li> <li>• Razer™ Synapse</li> <li>• Razer Comms</li> <li>• Lenovo Nerve Center</li> <li>• Lenovo Solution Center</li> </ul>
							Environment	ENERGY STAR® 6.1 (Need 85% PSU); RoHS-compliant

See footnotes for more detailed information

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