

# P870DM-G Specification

<b>Processor</b>	<ul style="list-style-type: none"> <li>•Intel® Core™ i7-6700K processor (14nm, 4.0GHz, DDR4 2133MHz, 8MB Smart cache,TDP: 91W)</li> <li>•Intel® Core™ i5-6600K processor (14nm, 3.5GHz, DDR4 2133MHz, 6MB Smart cache,TDP: 91W)</li> <li>•Intel® Core™ i5-6500 processor (14nm, 3.2GHz, DDR4 2133MHz, 6MB Smart cache,TDP: 65W)</li> <li>•Intel® Core™ i5-6400 processor (14nm, 2.7GHz, DDR4 2133MHz, 6MB Smart cache,TDP: 65W)</li> </ul>		
<b>Core Logic</b>	•Intel® Z170 Express Chipset		
<b>Display</b>	•17.3" (43.94cm) FHD (1920x1080) 16:9 panel, 4.0mm		
<b>Memory</b>	<ul style="list-style-type: none"> <li>•Dual channel DDR4</li> <li>•Four 260 pins SODIMM sockets, support DDR4 2133 MHz ( Real operation frequency depends on processor)</li> <li>•Expandable memory up to 32GB/64GB, depends on 4GB/8GB/16GB SODIMM module</li> </ul>		
<b>Video Controller</b>	<ul style="list-style-type: none"> <li>•Support 4 active displays</li> <li>•Support NVIDIA® Surround View via HDMI x1 and miniDP x2</li> </ul> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>•NVIDIA® GeForce GTX 980M (N16E-GX)                             <ul style="list-style-type: none"> <li>- 8GB GDDR5 Video RAM</li> <li>- Support PCIe x8</li> <li>- Microsoft DirectX® 12 compatible</li> <li>- MXM3.0 Type B</li> <li>- NVIDIA® PhysX®</li> <li>- GeForce CUDA™ technology</li> <li>- Support NVIDIA® SLI® Technology</li> </ul> </li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>•NVIDIA® GeForce GTX 970M (N16E-GT)                             <ul style="list-style-type: none"> <li>- 6GB GDDR5 Video RAM</li> <li>- Support PCIe x8</li> <li>- Microsoft DirectX® 12 compatible</li> <li>- MXM3.0 Type B</li> <li>- NVIDIA®PhysX®</li> <li>- GeForce CUDA™ technology</li> <li>- Support NVIDIA® SLI® Technology</li> </ul> </li> </ul> </td> </tr> </table> <ul style="list-style-type: none"> <li>•NVIDIA® new generation graphic card</li> </ul>	<ul style="list-style-type: none"> <li>•NVIDIA® GeForce GTX 980M (N16E-GX)                             <ul style="list-style-type: none"> <li>- 8GB GDDR5 Video RAM</li> <li>- Support PCIe x8</li> <li>- Microsoft DirectX® 12 compatible</li> <li>- MXM3.0 Type B</li> <li>- NVIDIA® PhysX®</li> <li>- GeForce CUDA™ technology</li> <li>- Support NVIDIA® SLI® Technology</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>•NVIDIA® GeForce GTX 970M (N16E-GT)                             <ul style="list-style-type: none"> <li>- 6GB GDDR5 Video RAM</li> <li>- Support PCIe x8</li> <li>- Microsoft DirectX® 12 compatible</li> <li>- MXM3.0 Type B</li> <li>- NVIDIA®PhysX®</li> <li>- GeForce CUDA™ technology</li> <li>- Support NVIDIA® SLI® Technology</li> </ul> </li> </ul>
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<b>Storage</b>	<ul style="list-style-type: none"> <li>•Two changeable 2.5" 7mm/9.5mm(H) HDD/SSD, SATA interface (RAID 0/1)</li> <li>•(Factory Option) Two M.2 2280 SSD SATA/PCIe interface (RAID 0/1)</li> </ul>		
<b>Audio</b>	<ul style="list-style-type: none"> <li>•High Definition Audio</li> <li>•S/PDIF digital output</li> <li>•Built in array microphone</li> <li>•Built in two speakers</li> <li>•Built in one subwoofer speaker</li> <li>•ANSP™ 3D sound technology on headphone output</li> <li>•SOUND BLASTER® X-FI® MB5</li> <li>•External 7.1CH audio output supported by headphone, microphone, Line-in and S/PDIF jack</li> </ul>		
<b>Keyboard and Pointing Device</b>	<ul style="list-style-type: none"> <li>•Multi languages full color illuminated full size keyboard with numeric pad and anti-ghost keys</li> <li>•Built in touch pad with multi-gesture and scrolling function</li> <li>•W/A/S/D gaming key</li> </ul>		
<b>I/O ports</b>	<ul style="list-style-type: none"> <li>•5 x USB 3.0 ports (1 x powered USB port, AC/DC)</li> <li>•1 x USB 3.1</li> <li>•1 x HDMI™ output port (with HDCP)</li> <li>•2 x Mini Display port 1.2</li> <li>•1 x Headphone jack</li> <li>•1 x Microphone jack</li> <li>•1 x S/PDIF output jack</li> <li>•1 x Line-in jack</li> <li>•2 x RJ-45 LAN port</li> <li>•1 x DC-in jack</li> </ul>		
<b>Card Reader</b>	<ul style="list-style-type: none"> <li>•6-in-1 Push-Push Card reader                             <ul style="list-style-type: none"> <li>- MMC / RSMC</li> <li>- SD / mini SD / SDHC / SDXC up to UHS-II</li> </ul> </li> </ul>		
<b>Slot</b>	<ul style="list-style-type: none"> <li>•Three M.2 card slots                             <ul style="list-style-type: none"> <li>-1st for WLAN Combo M.2 2230 Card with PCIe and USB interface</li> <li>-2nd for SSD M.2 2280 Card with SATA / PCIe Gen3 x4 interface</li> <li>-3rd for SSD M.2 2280 Card with SATA / PCIe Gen3 x4 interface</li> </ul> </li> </ul>		
<b>Communication</b>	<ul style="list-style-type: none"> <li>•Built in Qualcomm® 10/100/1000Mb Base-TX Ethernet LAN</li> <li>•(Factory Option) Intel® Dual Band Wireless-AC 8260, 2x2 AC +BT M.2 2230 (Snowfield Peak)</li> <li>•(Factory Option) Intel® Wireless-N 7265, 2x2 AC +BT M.2 2230 (Stone Peak 2)</li> <li>•(Factory Option) Intel® Dual Band Wireless-AC 3165, 1x1 AC +BT M.2 2230 (Stone Peak 1)</li> <li>•(Factory Option) Qualcomm® Atheros Killer™ Wireless-AC 1535 Dual Band 2x2 AC +BT M.2 1630</li> <li>•(Factory Option) Wireless LAN 802.11B/G/N + Bluetooth v4.0+LE Combo M.2 2230 Card module</li> <li>•2.0M FHD video camera</li> </ul>		
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>•Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19.5V, 16.9A, 330W</li> <li>•Embedded 8 cells Smart Lithium-Ion battery pack, 89WH</li> <li>•Battery life: 180 minutes (TBC) (with NVIDIA® GeForce GTX 970M single, 89WH Battery)</li> </ul>		
<b>Security</b>	<ul style="list-style-type: none"> <li>•Kensington® Lock</li> <li>•Finger print</li> <li>•TPM 2.0</li> </ul>		
<b>Others Design</b>	<ul style="list-style-type: none"> <li>•Painting</li> <li>•Shipping Mode</li> <li>•Battery Engine</li> <li>•NVIDIA® G-SYNC™ Technology</li> </ul>		
<b>OS Support</b>	•Windows®10 (64-bit)		
<b>Certificate</b>	<ul style="list-style-type: none"> <li>•Windows®10 (64-bit) Logo</li> <li>•HDMI™ Logo</li> </ul>		
<b>Dimension</b>	•428(W) x 308(D) x 45(H) mm (TBC)		
<b>Weight</b>	•4.8kg (TBC), Including Barebone, VGA single card and 89WH Battery		



2015/08 Version

Remark:  
 Battery life may vary depending on applications and configuration.  
 Weight tolerance is +/- 5%.  
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