



# 17.3" *Wide*

## P870KM1-G



### Advanced specifications for the demanding applications

Satisfy all your entertainment needs with this 15.6" laptop. Equipped with NVIDIA Enthusiast Graphics and G-SYNC technology, and SOUND BLASTER X-Fi MB5 system, an extremely versatile laptop is ready to rock your world!

# P870KM1-G Specification

<b>Processor</b>	<ul style="list-style-type: none"> <li>•7th generation Intel® processors</li> <li>•Support CPU over clocking depends on CPU SKU (Both of base frequency and ratio)</li> </ul>
<b>Core Logic</b>	<ul style="list-style-type: none"> <li>•7th generation Intel® Chipset</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>•17.3" (43.94cm) UHD ( 3840x2160) / QHD (2560x1440) / FHD (1920x1080) 16:9 panel, 4.0mm</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>•Dual channel DDR4</li> <li>•Four 260 pins SODIMM sockets, support DDR4 2400 MHz (Real operation frequency depends on processor)</li> <li>•Expandable memory from 8GB to 64GB, depends on 4GB/8GB/16GB SODIMM module</li> <li>•Support XMP 2666/3000 MHz (XMP support depends on processor and works in dual channel)</li> </ul>
<b>Video Controller</b>	<ul style="list-style-type: none"> <li>•NVIDIA® GeForce GTX 1080 (N17E-G3) <ul style="list-style-type: none"> <li>- 8GB GDDR5X Video RAM</li> <li>- Support PCIe x8</li> <li>- Microsoft DirectX® 12 compatible</li> <li>- MXM3.0</li> </ul> </li> <li>- NVIDIA® PhysX®</li> <li>- GeForce CUDA™ technology</li> <li>- Support 4 active displays</li> <li>- Support NVIDIA® Surround View</li> <li>- GPU over-clocking</li> <li>- Support NVIDIA® SLI® Technology</li> </ul>
<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) Three M.2 2280 SSD PCIe Gen3 x4 interface (RAID 0/1) or Two M.2 2280 SSD SATA 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>•SOUND BLASTER® X-FI® MB5</li> <li>•ESS™ SABRE HiFi DAC for high resolution headphone audio</li> <li>•External 7.1CH audio output supported by 2-in-1 Audio, Microphone, Line-in and Line-out jacks</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 Secure pad with Microsoft PTP 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 (USB3.1 Gen1, 1 x powered USB port, AC/DC)</li> <li>•2 x USB 3.1 Gen2 / Thunderbolt™ 3 combo ports (Type-C)</li> <li>•2 x Mini Displayport 1.3</li> <li>•1 x HDMI™ output port (with HDCP)</li> <li>•1 x 2-in-1 Audio Jack (Headphone / S/PDIF optical output)</li> <li>•1 x Microphone jack</li> <li>•1 x Line-out jack</li> <li>•1 x Line-in jack</li> <li>•2 x RJ-45 LAN port (Killer DoubleShot™ Pro)</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 / RSMMC</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>•Four M.2 card slots <ul style="list-style-type: none"> <li>-1st for WLAN Combo M.2 2230 Card with PCIex2 and USB interface (A key)</li> <li>-2nd for SSD M.2 2280 Card with SATA / PCIe Gen3 x4 interface (M key)</li> <li>-3rd for SSD M.2 2280 Card with SATA / PCIe Gen3 x4 interface (M key)</li> <li>-4th for SSD M.2 2280 Card with PCIe Gen3 x4 interface (M key)</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) Qualcomm® Atheros Killer™ Wireless-AC 1535 Dual Band 2x2 AC +BT M.2 2230</li> <li>•(Factory Option) Wireless LAN 802.11AD + Bluetooth v4.1 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>•Dual Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19.5V, 16.9A, 330W with Power Converter Box AC-200</li> <li>•Embedded 8 cells Smart Lithium-Ion battery pack, 89WH</li> <li>•Battery life: 180 min (with NVIDIA® GeForce GTX 1080 single, 89WH battery) (TBC)</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>•Kensington® Lock</li> <li>•Area 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>•FlexiCharger</li> <li>•Killer DoubleShot-X3™ Pro with Killer™ Wireless-AC 1535 module</li> <li>•Virtual Reality ready</li> <li>•Support Windows®10 Cortana with Voice</li> <li>•NVIDIA® G-SYNC™ Technology</li> <li>•(Factory Option) USB drive</li> </ul>
<b>OS Support</b>	<ul style="list-style-type: none"> <li>•Windows®10 (64-bit)</li> </ul>
<b>Certificate</b>	<ul style="list-style-type: none"> <li>•Windows®10 (64-bit) Logo</li> <li>•HDMI™ Logo</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>•428(W) x308(D) x 47.2(H) mm (TBC)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>•5.5kg, Including Barebone, VGA single card and 89WH Battery (TBC)</li> </ul>



2016/10 Version

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