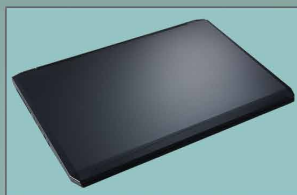




# 15.6" Wide

## P651RE3-G



### **Advanced specifications for the demanding applications**

Satisfy all your entertainment needs with this 15.6" laptop. Equipped with NVIDIA N16E-GT Graphic Card / G-SYNC technology, and SOUND BLASTER X-Fi MB5 system, an extremely versatile laptop is ready to rock your world!

# P651RE3-G Specification

Processor	<ul style="list-style-type: none"> <li>Intel® Core™ i7-6820HK processor (14nm, 2.7GHz, DDR4 2133MHz, 8MB Smart cache, TDP: 45W)</li> <li>Intel® Core™ i7-6700HQ processor (14nm, 2.6GHz, DDR4 2133MHz, 6MB Smart cache, TDP: 45W)</li> </ul> Support Intel® XTU over-clocking technology on i7-6820HK
Core Logic	•Mobile Intel® HM170 Express Chipset
Display	•15.6" (39.62cm) QFHD (3840x2160) / FHD (1920x1080) 16:9 panel, 3.5mm
Memory	<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 64GB, depends on 4GB/8GB/16GB SODIMM module</li> </ul>
Video Controller	<ul style="list-style-type: none"> <li>•Microsoft Hybrid Graphics mode or dGPU Mode</li> <li>•Support 4 active displays</li> <li>•Support NVIDIA® Surround View via HDMI x1 and miniDP x2</li> </ul>
	<ul style="list-style-type: none"> <li>•NVIDIA® GeForce GTX 970M (N16E-GT)               <ul style="list-style-type: none"> <li>- 3GB GDDR5 Video RAM</li> <li>- Support PCIe x16</li> <li>- Microsoft DirectX® 12 compatible</li> <li>- NVIDIA PhysX®</li> <li>- GeForce CUDA™ technology</li> </ul> </li> <li>•Intel® HD Graphics 530               <ul style="list-style-type: none"> <li>- Dynamic frequency</li> <li>- Intel Dynamic Video Memory Technology</li> <li>- Microsoft DirectX® 12 compatible</li> </ul> </li> </ul>
Storage	•Two changeable 2.5" 7mm(H) HDD/SSD (RAID 0/1), or One changeable 2.5" 9.5mm(H) HDD/SSD, SATA interface (Factory Option) Two M.2 2280 SSD, SATA interface (RAID 0/1) or One M.2 2280 SSD. PCIe Gen3x4 interface
Audio	<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 2W speakers</li> <li>•SOUND BLASTER® X-FI® MB5</li> <li>•External 5.1CH audio output supported by headphone, microphone, and S/PDIF jack</li> <li>•ANSP™ 3D sound technology on headphone output</li> </ul>
Keyboard and Pointing Device	<ul style="list-style-type: none"> <li>•Multi languages white-LED illuminated full size keyboard with numeric pad</li> <li>•Built in touch pad with multi-gesture and scrolling function</li> <li>•W/A/S/D gaming key</li> </ul>
I/O ports	<ul style="list-style-type: none"> <li>•4 x USB 3.0 ports (1 x powered USB port, AC/DC)</li> <li>•2 x Mini Display port 1.2</li> <li>•1 x HDMI™ output port (with HDCP)</li> <li>•1 x Headphone jack</li> <li>•1 x Microphone jack</li> <li>•1 x S/PDIF output jack</li> <li>•1 x RJ-45 LAN port</li> <li>•1 x DC-in jack</li> </ul>
Card Reader	<ul style="list-style-type: none"> <li>•6-in-1 Push-Push Card reader               <ul style="list-style-type: none"> <li>- MMC / RSMHC</li> <li>- SD / mini SD / SDHC / SDXC</li> </ul> </li> </ul>
Slot	<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 (A key)</li> <li>-2nd for SSD M.2 2280 Card with SATA / PCIe Gen3x4 interface (M key)</li> <li>-3rd for SSD M.2 2280 Card with SATA interface or for LTE/UMTS/HSPA+ M.2 3042 Card with USB interface (B key)</li> </ul> </li> </ul> Note:(Factory Option) LTE-1 / LTE-2 antenna
Communication	<ul style="list-style-type: none"> <li>•Built in 10/100/1000Mb Base-TX Ethernet LAN</li> <li>•(Factory Option) Intel® Dual Band Wireless-AC 8260, 2x2 AC +BT M.2 2230 (Snowfield)</li> <li>•(Factory Option) Intel® Wireless-N 7265, 2x2 BGN +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>•(Factory Option) UMTS/HSPA+ M.2 3042 Card module</li> <li>•(Factory Option) LTE M.2 3042 Card module</li> <li>•2.0M FHD video camera</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>•Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19.5V, 9.23A , 180W</li> <li>•Embedded 4 cells Polymer battery pack, 60WH</li> <li>•Battery life: 325 minutes (with UMA mode, 60WH Battery)</li> </ul>
Security	<ul style="list-style-type: none"> <li>•Kensington® Lock</li> <li>•Intel ® PTT for system without hardware TPM</li> <li>•(Factory Option) Finger print</li> <li>•(Factory Option) TPM 2.0</li> </ul>
Others Design	<ul style="list-style-type: none"> <li>•Al-alloy</li> <li>•Shipping Mode</li> <li>•FlexiCharger</li> <li>•NVIDIA® G-SYNC™ Technology at dGPU mode</li> <li>•Virtual Reality ready</li> </ul>
OS Support	•Windows®10 (64-bit)
Certificate	<ul style="list-style-type: none"> <li>•Windows®10 (64-bit) Logo</li> <li>•HDMI™ Logo</li> </ul>
Dimension	•385(W) x 271(D) x 25(H)mm
Weight	•2.5Kg, Including Barebone and 60WH Battery



2015/12 Version

Remark:  
 \*Battery life may vary depending on applications and configuration.  
 \*Weight tolerance is +/- 5%.  
 \*The content is subject to change without notices. Other brand and product names are trademarks and/or register trademarks of their respective companies.