



# 15.6" *Wide* W650RN



**Best-selling models powered by the latest computing technology.**

With its 6th generation Intel® Core™ platform, the new 15.6" laptop delivers more mobile performance than ever before. Microsoft® Hybrid Graphics makes this performance immediately available without interruption.

# W650RN Specification

Processor	<ul style="list-style-type: none"> <li>•Intel® Core™ i7-6700HQ processor (14nm, 2.6GHz, DDR4-2133MHz, 8MB Smart cache, TDP: 45W)</li> <li>•Intel® Core™ i5-6300HQ processor (14nm, 2.3GHz, DDR4-2133MHz, 6MB Smart cache, TDP: 45W)</li> <li>•Intel® Core™ i3-6100H processor (14nm, 2.7GHz, DDR4-2133MHz, 3MB Smart cache, TDP: 35W)</li> </ul>	
Core Logic	•Mobile Intel® HM170 Express Chipset	
Display	•15.6" (39.62cm) HD (1366x768) / FHD (1920x1080) 16:9 panel, 3.8mm	
Memory	<ul style="list-style-type: none"> <li>•Dual channel DDR4</li> <li>•Two 260 pins SODIMM sockets, support DDR4 2133MHz (Real operation frequency depends on processor)</li> <li>•Expandable memory up to 32GB, depends on 4GB/8GB/16GB SODIMM module</li> </ul>	
Video Controller	<ul style="list-style-type: none"> <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>	•NVIDIA® new generation graphic card
	<ul style="list-style-type: none"> <li>•Microsoft Hybrid Graphics</li> <li>•GPU switchable between iGPU and dGPU</li> </ul>	
Storage	<ul style="list-style-type: none"> <li>•(Factory Option) One changeable 12.7mm(H) Super Multi ODD, SATA interface</li> <li>•One changeable 2.5" 9.5mm(H)/7mm(H) HDD/SSD, SATA interface</li> <li>•(Factory Option) One M.2 2280 SSD, SATA interface or one M.2 2280 SSD, PCIe Gen3 x4 interface</li> <li>•(Factory Option) One changeable Caddy Bay 12.7mm(H) ODD, 2.5"/9.5mm(H) HDD/SSD, SATA interface</li> </ul>	
Audio	<ul style="list-style-type: none"> <li>•High Definition Audio</li> <li>•Built in microphone</li> <li>•(Factory Option) Built in array microphone</li> <li>•Built in two speakers</li> <li>•Sound Blaster™ Cinema 2</li> </ul>	
Keyboard and Pointing Device	<ul style="list-style-type: none"> <li>•Multi language full size isolated keyboard with numeric pad</li> <li>•Built in touch pad with multi-gesture and scrolling function</li> </ul>	
I/O ports	<ul style="list-style-type: none"> <li>•1 x USB 2.0 port</li> <li>•1 x USB 3.0 ports</li> <li>•2 x USB 3.0 ports or (Factory Option) 2 x USB3.1 ports (Type A)</li> <li>•1 x external VGA port</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 RJ-45 LAN port</li> <li>•1 x DC-in jack</li> </ul>	
Card Reader	<ul style="list-style-type: none"> <li>•9-in-1 card reader <ul style="list-style-type: none"> <li>- MMC / RSMCMC</li> <li>- SD / mini SD / SDHC / SDXC</li> <li>- MS / MS Pro / MS Duo</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 Gen3 x4 interface (M key)</li> <li>-(Factory Option) 3rd for LTE or UMTS/HSPA+M.2 3042 card with USB interface (B key)</li> </ul> </li> </ul>	
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 Peak 2)</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) Wireless LAN 802.11B/G/N + Bluetooth v4.0+LE Combo M.2 2230 Card module</li> <li>•(Factory Option) LTE or UMTS/HSPA+ M.2 3042 card with USB interface</li> <li>•1.0M HD / 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 19V, 4.74A, 90W</li> <li>•(Factory Option) Removable 6 cells Smart Lithium-Ion battery pack, 62.16WH</li> <li>•(Factory Option) Removable 6 cells Smart Lithium-Ion battery pack, 48.84WH</li> <li>•Battery life : 300 minutes (UMA mode with 48.84WH battery)(TBC)</li> <li>•Battery life : 380 minutes (UMA mode with 62.16WH battery) (TBC)</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) TPM 2.0</li> </ul>	
Others Design	<ul style="list-style-type: none"> <li>•Painting</li> <li>•FlexiCharger</li> </ul>	
O.S. 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	•374(W) x 252(D) x 14 ~ 31.4(H)mm	
Weight	•2.5kg, including ODD and 62.16WH Battery	



2015/11 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.