




# 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

<b>Processor</b>	<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™ i5-6440HQ processor (14nm, 2.6GHz, DDR4-2133MHz, 6MB 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>	
<b>Core Logic</b>	• Mobile Intel® HM170 Express Chipset	
<b>Display</b>	• 15.6" (39.62cm) HD (1366x768) / FHD (1920x1080) 16:9 panel, 3.8mm	
<b>Memory</b>	<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>	
<b>Video Controller</b>	<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>	<ul style="list-style-type: none"> <li>• NVIDIA® GeForce 940MX (N16S-GTR) <ul style="list-style-type: none"> <li>- 2GB gDDR5 Video RAM</li> <li>- Support PCIe x4</li> <li>- Microsoft DirectX® 12 compatible</li> <li>- NVIDIA PhysX®</li> <li>- GeForce CUDA™ technology</li> </ul> </li> </ul>
	• Microsoft Hybrid Graphics	
<b>Storage</b>	<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>	
<b>Audio</b>	<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>	
<b>Keyboard and Pointing Device</b>	<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>	
<b>I/O ports</b>	<ul style="list-style-type: none"> <li>• 1 x USB 2.0 port</li> <li>• 1 x USB 3.0 (USB 3.1 Gen 1) ports</li> <li>• 2 x USB 3.0 (USB 3.1 Gen 1) ports or (Factory Option) 2 x USB 3.1 Gen 2 port (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>	
		
<b>Card Reader</b>	<ul style="list-style-type: none"> <li>• 9-in-1 card reader <ul style="list-style-type: none"> <li>- MMC / RSMC</li> <li>- SD / mini SD / SDHC / SDXC</li> <li>- MS / MS Pro / MS Duo</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 (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>	
<b>Communication</b>	<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>	
<b>Power Supply</b>	<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>	
<b>Security</b>	<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>	
<b>Others Design</b>	<ul style="list-style-type: none"> <li>• Painting</li> <li>• FlexiCharger</li> </ul>	
<b>O.S. 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>	• 374(W) x 252(D) x 14 ~ 31.4(H)mm	
<b>Weight</b>	• 2.5kg, including ODD and 62.16WH Battery	

2016/02 Version

**Remark:**

\*Battery life may vary depending on applications and configuration.

\*Weight tolerance is +/- 5%.

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