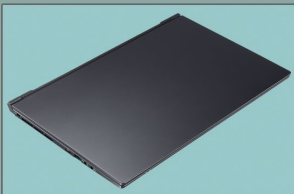




# 15.6" Wide PC50DF1



## Advanced specifications for the demanding applications

Satisfy all your entertainment needs with this 15.6" laptop. Equipped with NVIDIA Enthusiast Graphic Card technology, and Sound Blaster Atlas system, an extremely versatile laptop is ready to rock your world!

# PC50DF1 Specification

<b>Processor</b>	<ul style="list-style-type: none"> <li>• Intel® Core™ i7-10875H processor (14nm, 2.3GHz, DDR4-2933MHz, 16MB Smart Cache, TDP: 45W)</li> <li>• Intel® Core™ i7-10750H processor (14nm, 2.6GHz, DDR4-2933MHz, 12MB Smart Cache, TDP: 45W)</li> </ul>
<b>Core Logic</b>	<ul style="list-style-type: none"> <li>• Mobile Intel® HM470 Express Chipset</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>• 15.6" (39.62cm) FHD (1920x1080) 16:9 panel, 3.2mm</li> <li>• 15.6" (39.62cm) UHD (3840x2160) OLED 16:9 panel, 2.2mm</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• Dual channel DDR4</li> <li>• Two 260 pins SODIMM sockets, support DDR4 up to 3200MHz ( Real operation frequency depends on processor)</li> <li>• Expandable memory from 8GB to 64GB, depends on 8GB/16GB/32GB SODIMM module</li> </ul>
<b>Video Controller</b>	<ul style="list-style-type: none"> <li>• NVIDIA® GeForce RTX™ 2070 with Max-Q Design (N18E-G1R with Max-Q Design) <ul style="list-style-type: none"> <li>- 8GB GDDR6 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® UHD Graphics 630 <ul style="list-style-type: none"> <li>- HDR Support</li> <li>- Rec. 2020 (Wide Color Gamut)</li> <li>- Microsoft DirectX® 12 compatible</li> </ul> </li> <li>• Microsoft Hybrid Graphics mode</li> <li>• Support 4 active displays</li> <li>• Support NVIDIA® Surround View via HDMI x1, miniDP x1 and TBT x 1</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• (Factory Option) Two M.2 2280 SSD PCIe Gen3x4 interface (RAID 0/1) or One M.2 2280 SSD SATA interface</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 2W speakers</li> <li>• Sound Blaster Atlas</li> </ul>
<b>Keyboard and Pointing Device</b>	<ul style="list-style-type: none"> <li>• Multi languages Multi-Color illuminated full size keyboard with numeric pad</li> <li>• (Factory Option) Multi languages LED per key full color illuminated full size keyboard with numeric pad</li> <li>• (Factory Option) Built in Gamma Secure pad or Touch pad with Microsoft PTP multi-gesture and scrolling function</li> </ul>
<b>I/O ports</b>	<ul style="list-style-type: none"> <li>• 3 x USB 3.2 Gen1 ports (Type A, 1 x powered USB port, AC/DC)</li> <li>• 1 x Thunderbolt™ 3 port</li> <li>• 1 x Mini DisplayPort 1.4</li> <li>• 1 x HDMI™ output port (with HDCP)</li> <li>• 1 x 2-in-1 Audio jack (Headphone / Microphone)</li> <li>• 1 x 2-in-1 Audio jack (Microphone / S/PDIF optical)</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>• MicroSD Push-Push Card reader up to UHS-II</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 / USB / CNVi interface (E 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 PCIe Gen3x4 interface (M 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 Wi-Fi 6 AX201 2x2 AX + BT CNVi M.2 2230 (Harrison Peak 2)</li> <li>• (Factory Option) Intel® Dual Band Wi-Fi 6 AX200 2x2 AX +BT PCIe M.2 2230 (Cyclone Peak 2)</li> <li>• (Factory Option) Killer™ Dual Band Wi-Fi 6 AX1650i 2x2 AX + BT CNVi M.2 2230</li> <li>• 1M HD 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, 9.23A, 180W</li> <li>• Embedded 3 cells Polymer battery pack, 73WH</li> <li>• Battery life: 600 minutes (with UMA mode, 73WH Battery)</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• Security (Kensington® Type) Lock Slot</li> <li>• Intel ® PTT for system without hardware TPM</li> <li>• (Factory Option) Finger Print on Glass</li> <li>• (Factory Option) TPM 2.0</li> </ul>
<b>Others Design</b>	<ul style="list-style-type: none"> <li>• Metal (A/C/D)</li> <li>• Shipping mode</li> <li>• FlexiCharger</li> <li>• Virtual Reality ready</li> <li>• Intel® Optane™ Technology (For Intel core processor family)</li> <li>• Windows® Mixed Reality Compatible</li> </ul>
<b>OS Support</b>	<ul style="list-style-type: none"> <li>• Windows®10 19H2 (64-bit)</li> </ul>
<b>Certificate</b>	<ul style="list-style-type: none"> <li>• Windows®10 19H2 (64-bit) Logo</li> <li>• HDMI™ Logo</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 357.5(W) x 238(D) x 19.8(H) mm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 1.99Kg, Including Barebone and 73WH Battery</li> </ul>



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.