## PA71HP6-G Specification

Incelle Core**   7-7820HK processor (14nn, 2-96Hz, DDRA 2400HHz, RMS Smart cache, TDP: 45W)		
	Processor	• Intel® Core™ i7-7700HQ processor (14nm, 2.8GHz, DDR4 2400MHz, 6MB Smart cache, TDP: 45W)
Dual channel DDRA   Five 260 pins SODIMM sockets, support DRA 2400 MHz (Real operation frequency depends on processor)		· ·
*Iwo 260 pins SODIM sockets, support DRA 2400 MHz (Real operation frequency depends on processor)	Display	
- Dynamic Frequency - Intel Dynamic Video Memory Technology - Microsoft Direct/(8) 12 compatible - Microsoft Hybrid Graphics mode or dGPU mode - Support A citive displays - Support MPLOTIA/6 Surround View via HDMI x1 and miniDP x2 - One changeable 2.5" 7mm/9.5mm(H) HDD/SSD, SATA interface - (Factory Option) Tiwo M. 2 2280 SSD, SATA interface - (Factory Option) Tiwo M. 2 2280 SSD, SATA interface - High Definition Audio - S/PDIF digital output - Bulk in array microphone - Mulk languages white LED Illuminated full size keyboard with numeric pad - (Factory Option) Bulk in Secure pad or Touch pad with Microsoft PTP multi-gesture and scrolling function - (Factory Option) Bulk in Secure pad or Touch pad with Microsoft PTP multi-gesture and scrolling function - (Factory Option) Liv LIB a.3 p. (LIBBA) (LIBBA) - (Factory Option) LIV LIBBA 3.0 (LIBBA) (LIBBA) - (Factory Option) LIV LIBBA 3.0 (LIBBA) - (Factory Option) LIBBA) - (Factory Option)	Memory	<ul> <li>Two 260 pins SODIMM sockets, support DDR4 2400 MHz (Real operation frequency depends on processor)</li> <li>Expandable memory from 8GB to 32GB, depends on 4GB/8GB/16GB SODIMM module</li> <li>Support XMP 2666 / 3000 MHz (XMP support depends on processor)</li> </ul>
Support 4 active displays	Video Controller	- Dynamic frequency - Intel Dynamic Video Memory Technology - Microsoft DirectX® 12 compatible - Microsoft DirectX® 12 compatible - NVIDIA® PhysX® - GeForce CUDA™ technology - GPU over clocking
### (Factory Option) Two M.2 2280 SSD, SATA interface (RAID 0/1) or One M.2 2280 SSD, PCIe Gen3x4 interface #### High Definition Audio #### Sult in two 2W speakers **Sound Blaster/& Pro-Gaming 360" **Sound Elaster/& Pro-Gaming 360" **Sound Elaster/& Pro-Gaming 360" **Sound Blaster/& Pro-Gaming 360" **Sound Elaster/& Pro-Gaming 360" **Sound Blaster/& Pro-Gaming 360" **Multi languages white-LED illuminated full size keyboard with numeric pad **(Factory Option) Built in Secure pad or Touch pad with Microsoft PTP multi-gesture and scrolling function **W/NS/D gaming key on full color illuminated keyboard **(Factory Option) 1x USB 3.0 (USB3.1 Gen1) port (Type-C) or 1x Thunderbolt** 3 port **2 x Mini Display ports 1.3 Gen1, 1x powered USB port, AC/DC) **(Factory Option) 1x USB 3.0 (USB3.1 Gen1) port (Type-C) or 1x Thunderbolt** 3 port **2 x Mini Display ports 1.3 Gen1, 1x powered USB port, AC/DC) **(Factory Option) 1x USB 3.0 (USB3.1 Gen1) port (Type-C) or 1x Thunderbolt** 3 port **2 x Mini Display ports 1.3 Gen1, 1x powered USB port, AC/DC) **(Factory Option) 1x USB 3.1 Gen1, 1x powered USB port, AC/DC) **(Factory Option) 1x USB 3.1 Gen1, 1x powered USB port, AC/DC) **(Factory Option) 1x USB port **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line out / S/PDIF Optical output) **1 x Po-H1 Audio jack (Line output) **1 x Po-H1 Audio jack (Line output) **		<ul> <li>Support 4 active displays</li> <li>Support NVIDIA® Surround View via HDMI x1 and miniDP x2</li> </ul>
SpPDIF digital output	Storage	• (Factory Option) Two M.2 2280 SSD, SATA interface (RAID 0/1) or One M.2 2280 SSD, PCIe Gen3x4 interface
Multi languages white-LED illuminated full size keyboard with numeric pad  (Factory Option) Built ianguages full color illuminated full size keyboard with numeric pad  (Factory Option) Built in Secure pad or Touch pad with Microsoft PTP multi-gesture and scrolling function  (Factory Option) 1x USB 3.0 gorts (USB3.1 Gen1, 1 x powered USB port, AC/DC)  (Factory Option) 1x USB 3.0 (USB3.1 Gen1) port (Type-C) or 1x Thunderbolt™ 3 port  (Factory Option) 1x USB 3.0 (USB3.1 Gen1) port (Type-C) or 1x Thunderbolt™ 3 port  2 x Mini Display ports 1.3  1 x HDMI™ output port (with HDCP)  1 x 2-In-1 Audio jack (Line out / S/PDIF Optical output)  1 x Microphone jack  1 x R1-45 LAN port  1 x R2-15 LAN port  1 x	Audio	<ul> <li>S/PDIF digital output</li> <li>Built in array microphone</li> <li>Built in two 2W speakers</li> <li>Built in one 4W subwoofer speaker</li> <li>Sound BlasterX® Pro-Gaming 360°</li> <li>ANSP™ 3D sound technology on headphone output</li> </ul>
(Factory Option) 1 x USB 3.0 (USB3.1 Gen1) port (Type-C) or 1x Thunderbolt™ 3 port   2 x Min Mi Display ports 1.3   1 x HDMI™ output port (with HDCP)   1 x 2-in-1 Audio jack (Line out / S/PDIF Optical output)   1 x Herophone jack   1 x Headphone jack   1 x Headphone jack   1 x H245 LAN port   1 x DC-in jack   6-in-1 P ush-Push Card reader   -MMC / RSMMC   SD / mini SD / SDHC / SDXC up to UHS-II   Three M.2 card slots   -1st for WLAN Combo M.2 2230 Card with PCIEx2 and USB interface (A key)   -2nd for SSD M.2 2280 Card with SATA / PCIe Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIe Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIe Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 interface (M key)   -3rd for SSD M.2 2280 Card with SATA / PCIE Gen3x4 inte		<ul> <li>(Factory Option) Multi languages full color illuminated full size keyboard with numeric pad</li> <li>(Factory Option) Built in Secure pad or Touch pad with Microsoft PTP multi-gesture and scrolling function</li> </ul>
-6-in-1 Push-Push Card reader - MMC/ RSMMC - SD / mini SD / SDHC / SDXC up to UHS-II  -7 Three M.2 card slots -1st for WLAN Combo M.2 2230 Card with PCIex2 and USB interface (A key) -2nd for SSD M.2 2280 Card with SATA / PCIe Gen3x4 interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key) -4 Eactory Option) Intel® Dual Band Wireless-AC 3168, 1x1 AC +BT M.2 2230 (Windstorm Peak) -4 (Factory Option) Qualcomm® Atheros Killer™ Wireless-AC 1535 Dual Band 2x2 AC +BT M.2 2230 -4 (Factory Option) Wireless LAN 802.11AD + Bluetooth v4.1 Combo M.2 2230 Card module -2.0M FHD video camera -4 Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19V, 10.5A, 200W -4 Embedded 4 cells Polymer battery pack, 66WH -4 Battery life: 300 minutes (with UMA mode, 66WH Battery) (TBC) -4 Security (Kensington® Type) Lock Slot -4 Security (Factory Option) Area Finger print -4 (Factory Option) Area Finger print -4 (Factory Option) Area Finger print -4 (Factory Option) Battery Battery (Tex) -4 Shipping Mode -5 FlexiCharger -6 NVIDIA® G-SYNC™ Technology at dGPU mode -6 Virtual Reality ready -6 Support Windows®10 Cortana with Voice -6 (Factory Option) USB drive -7 Windows®10 (64-bit) -7 Windows®10 (6	I/O ports	<ul> <li>(Factory Option) 1 x USB 3.0 (USB3.1 Gen1) port (Type-C) or 1x Thunderbolt™ 3 port</li> <li>2 x Mini Display ports 1.3</li> <li>1 x HDMI™ output port (with HDCP)</li> <li>1 x 2-in-1 Audio jack (Line out / S/PDIF Optical output)</li> <li>1 x Microphone jack</li> <li>1 x Headphone jack</li> <li>1 x RJ-45 LAN port</li> </ul>
-1st for WLAN Combo M.2 2230 Card with PCIex2 and USB interface (A key) -2nd for SSD M.2 2280 Card with SATA / PCIe Gen3x4 interface (M key) -3rd for SSD M.2 2280 Card with SATA interface (M key)  Built in 10/100/1000Mb Base-TX Ethernet LAN (Factory Option) Intel® Dual Band Wireless-AC 8265, 2x2 AC +BT M.2 2230 (Windstorm Peak) (Factory Option) Qualcomm® Atheros Killer™ Wireless-AC 1535 Dual Band 2x2 AC +BT M.2 2230 (Factory Option) Wireless LAN 802.11AD + Bluetooth v4.1 Combo M.2 2230 Card module -2.0M FHD video camera  Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19V, 10.5A, 200W Embedded 4 cells Polymer battery pack, 66WH Battery life: 300 minutes (with UMA mode, 66WH Battery) (TBC)  Security (Kensington® Type) Lock Slot - Intel ® PTT for system without hardware TPM (Factory Option) Area Finger print (Factory Option) TPM 2.0  Shipping Mode - FlexiCharger NVIDIA® G-SYNC™ Technology at dGPU mode - Virtual Reality ready - Support Windows® 10 Cortana with Voice - (Factory Option) USB drive  OS Support  Windows® 10 (64-bit) - Support Windows® 10 (64-bit) - Windows® 10 (64-bit)	Card Reader	6-in-1 Push-Push Card reader     MMC / RSMMC
Communication  (Factory Option) Intel® Dual Band Wireless-AC 8265, 2x2 AC +BT M.2 2230 (Windstorm Peak) (Factory Option) Intel® Dual Band Wireless-AC 3168, 1x1 AC +BT M.2 2230 (Sandy Peak) (Factory Option) Qualcomm® Atheros Killer™ Wireless-AC 1535 Dual Band 2x2 AC +BT M.2 2230 (Factory Option) Wireless LAN 802.11AD + Bluetooth v4.1 Combo M.2 2230 Card module 2.0M FHD video camera  • Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19V, 10.5A, 200W • Embedded 4 cells Polymer battery pack, 66WH • Battery life: 300 minutes (with UMA mode, 66WH Battery) (TBC)  • Security (Kensington® Type) Lock Slot • Intel® PTT for system without hardware TPM • (Factory Option) Area Finger print • (Factory Option) TPM 2.0  • Shipping Mode • FlexiCharger • NVIDIA® G-SYNC™ Technology at dGPU mode • Virtual Reality ready • Support Windows®10 Cortana with Voice • (Factory Option) USB drive  OS Support  • Windows®10 (64-bit) • Windows®10 (64-bit) Logo • HDMI™ Logo  Dimension  • 418.5(W) x 287(D) x 24.9(H)mm (TBC)  • 3.0kg, Including Barebone and 66WH Battery (TBC)	Slot	-1st for WLAN Combo M.2 2230 Card with PCIex2 and USB interface (A key) -2nd for SSD M.2 2280 Card with SATA / PCIe Gen3x4 interface (M key)
Power Supply  • Embedded 4 cells Polymer battery pack, 66WH • Battery life: 300 minutes (with UMA mode, 66WH Battery) (TBC)  • Security (Kensington® Type) Lock Slot • Intel ® PTT for system without hardware TPM • (Factory Option) Area Finger print • (Factory Option) TPM 2.0  • Shipping Mode • FlexiCharger • NVIDIA® G-SYNC™ Technology at dGPU mode • Virtual Reality ready • Support Windows®10 Cortana with Voice • (Factory Option) USB drive  OS Support  • Windows®10 (64-bit) Certificate  • Windows®10 (64-bit) Logo • HDMI™ Logo  • 418.5(W) x 287(D) x 24.9(H)mm (TBC)  Weight  • 3.0kg, Including Barebone and 66WH Battery (TBC)	Communication	<ul> <li>(Factory Option) Intel® Dual Band Wireless-AC 8265, 2x2 AC +BT M.2 2230 (Windstorm Peak)</li> <li>(Factory Option) Intel® Dual Band Wireless-AC 3168, 1x1 AC +BT M.2 2230 (Sandy Peak)</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> </ul>
Intel ® PTT for system without hardware TPM  (Factory Option) Area Finger print (Factory Option) TPM 2.0  Shipping Mode FlexiCharger NVIDIA® G-SYNC™ Technology at dGPU mode Virtual Reality ready Support Windows®10 Cortana with Voice (Factory Option) USB drive  OS Support  Windows®10 (64-bit)  Certificate  Dimension  418.5(W) x 287(D) x 24.9(H)mm (TBC)  Weight  • 3,0kg, Including Barebone and 66WH Battery (TBC)	Power Supply	• Embedded 4 cells Polymer battery pack, 66WH
• FlexiCharger • NVIDIA® G-SYNC™ Technology at dGPU mode • Virtual Reality ready • Support Windows®10 Cortana with Voice • (Factory Option) USB drive  OS Support • Windows®10 (64-bit)  Certificate • Windows®10 (64-bit) Logo • HDMI™ Logo  Dimension • 418.5(W) x 287(D) x 24.9(H)mm (TBC)  Weight • 3.0kg, Including Barebone and 66WH Battery (TBC)	Security	Intel ® PTT for system without hardware TPM  (Factory Option) Area Finger print
Certificate         • Windows®10 (64-bit) Logo           • HDMI™ Logo           Dimension         • 418.5(W) x 287(D) x 24.9(H)mm (TBC)           Weight         • 3.0kg, Including Barebone and 66WH Battery (TBC)	Others Design	<ul> <li>FlexiCharger</li> <li>NVIDIA® G-SYNC™ Technology at dGPU mode</li> <li>Virtual Reality ready</li> <li>Support Windows®10 Cortana with Voice</li> </ul>
• HDMI <sup>™</sup> Logo  • 418.5(W) x 287(D) x 24.9(H)mm (TBC)  • 3.0kg, Including Barebone and 66WH Battery (TBC)	OS Support	, ,
• 3.0kg, Including Barebone and 66WH Battery (TBC)		• HDMI <sup>™</sup> Logo
30.47/0E Varian		
ZU17/US VERSION	weight	• 3.0kg, Including Barebone and 66WH Battery (TBC)

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