



15.6" Wide


N850EK1



Professional models with better graphic performance.

Enjoy your wonderful daily work without interruptions. Featuring Microsoft® Hybrid Graphics switch graphic automatically. N850EK1 provides you with an amazing entertainment experience.

N850EK1 Specification

| | |
|-------------------------------------|---|
| Processor | <ul style="list-style-type: none"> • Intel® Core™ i7-8750H processor (14nm, 2.2GHz, DDR4 2666MHz, 9MB Smart cache, TDP: 45W) • Intel® Core™ i5-8300H processor (14nm, 2.3GHz, DDR4 2666MHz, 9MB Smart cache, TDP: 45W) |
| Core Logic | • Mobile Intel® HM370 Express Chipset |
| Display | • 15.6" (39.62cm) FHD (1920x1080) 16:9 panel, 3.2mm |
| Memory | <ul style="list-style-type: none"> • Dual channel DDR4 • Two 260 pins SODIMM sockets, support DDR4 2400/2666 MHz (Real operation frequency depends on processor) • Expandable memory up to 32GB, depends on 4GB/8GB/16GB SODIMM module |
| Video Controller | <ul style="list-style-type: none"> • Intel® UHD Graphics 630 <ul style="list-style-type: none"> - Dynamic frequency - Intel Dynamic Video Memory Technology - Microsoft DirectX® 12 compatible • NVIDIA® GeForce GTX 1050 Ti (N17P-G1) <ul style="list-style-type: none"> - 4GB GDDR5 Video RAM - Support PCIe x8 - Microsoft DirectX® 12 compatible - Battery Boost™ Technology - NVIDIA PhysX® - GeForce CUDA™ technology |
| | <ul style="list-style-type: none"> • Microsoft Hybrid Graphics • Support 4 active displays |
| Storage | <ul style="list-style-type: none"> • One changeable 2.5" 7mm(H) HDD / SSD, SATA interface • (Factory Option) One M.2 2280 SSD, SATA interface or One M.2 2280 SSD, PCIe Gen3 x4 interface |
| Audio | <ul style="list-style-type: none"> • High Definition Audio • Built in array microphone • Built in two speakers • Sound Blaster™ Cinema 5 |
| Keyboard and Pointing Device | <ul style="list-style-type: none"> • Multi languages white-LED illuminated full size keyboard with numeric pad • (Option) Multi languages full color illuminated full size keyboard with numeric pad • Built in touch pad with Microsoft PTP multi-gesture and scrolling function |
| I/O ports | <ul style="list-style-type: none"> • 1 x USB 2.0 port • 1 x USB 3.0 (USB 3.1 Gen 1) port • 1 x USB 3.1 Gen 2 port (Type A) • 1 x USB 3.1 Gen 2 port (Type C) • 1 x Mini Display 1.3 port • 1 x Mini Display 1.2 port • 1 x HDMI™ output port (with HDCP) • 1 x Headphone jack • 1 x Microphone jack • 1 x RJ-45 LAN port • 1 x DC-in jack  |
| Card Reader | <ul style="list-style-type: none"> • 6-in-1 Push-Push Card reader <ul style="list-style-type: none"> - MMC / RSMHC - SD / mini SD / SDHC / SDXC |
| Slot | <ul style="list-style-type: none"> • Three M.2 card slots <ul style="list-style-type: none"> -1st for WLAN Combo M.2 2230 Card with PCIe / USB / CNVi interface (E key) -2nd for SSD M.2 2280 Card with SATA / PCIe Gen3 x4 interface (M key) -(Factory Option) 3rd for LTE M.2 3042 Card with USB interface (B key) |
| Communication | <ul style="list-style-type: none"> • Built-in 10/100/1000Mb Base-TX Ethernet LAN • (Factory Option) Intel® Dual Band Wireless-AC 9260, 2x2 AC + BT M.2 2230 (Thunder Peak 2) • (Factory Option) Intel® Dual Band Wireless-AC 9560, 2x2 AC + BT M.2 2230 (Jefferson Peak 2) • (Factory Option) Intel® Dual Band Wireless-AC 9462, 1x1 AC + BT M.2 2230 (Jefferson Peak 1) • (Factory Option) LTE M.2 3042 Card with USB interface • 1.0M HD video camera • (Factory Option) 2.0M FHD video camera |
| Power Supply | <ul style="list-style-type: none"> • Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19.5V, 6.15A, 120W • (Factory Option) Removable 6 cells Smart Lithium-Ion battery pack, 62WH • (Factory Option) Removable 6 cells Smart Lithium-Ion battery pack, 47WH • Battery life: 380 minutes (with UMA mode, 47WH Battery) • Battery life: 480 minutes (with UMA mode, 62WH Battery) |
| Security | <ul style="list-style-type: none"> • Security (Kensington® Type) Lock Slot • Intel® PTT for system without Hardware TPM • (Factory Option) TPM 2.0 • (Factory Option) Fingerprint |
| Others Design | <ul style="list-style-type: none"> • Shipping Mode • FlexiCharger • Intel® Optane™ Technology • Microsoft® Cortana with Voice Technology • Windows® Mixed Reality Compatible |
| O.S. Support | • Windows® 10 RS3 (64-bit) |
| Certificate | <ul style="list-style-type: none"> • Windows® 10 RS3 (64-bit) Logo • Energy Star 6.1 ready • HDMI™ Logo |
| Dimension | • 378 (W) x 267 (D) x 26.9 (H) mm |
| Weight | • 2.3 kg, including Barebone and 47 WH Battery |

2018/04 Version

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