

**MEDION AKOYA P6685-i5-256F8 Intel® Core™ i5 i5-8250U Laptop  
39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 256 GB SSD NVIDIA®  
GeForce® MX150 Wi-Fi 5 (802.11ac) Windows 10 Silver**

**Brand :** MEDION

**Product family:** AKOYA

**Product code:** 30024076

**Product name :** P6685-i5-256F8

Intel Core i5-8250U Processor (6M Cache, up to 3.40 GHz), 8GB RAM, 256GB SSD, 15.6" FHD IPS, nVidia MX150, Windows 10

MEDION AKOYA P6685-i5-256F8. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-8250U, Processor frequency: 1.6 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 620. Operating system installed: Windows 10. Product colour: Silver



| Design                          |                         | Ports & interfaces                                       |            |
|---------------------------------|-------------------------|--|------------|
| Product type *                  | Laptop                  | Ethernet LAN (RJ-45) ports                               | 1          |
| Product colour *                | Silver                  | HDMI ports quantity *                                    | 1          |
| Form factor *                   | Clamshell               | <b>Keyboard</b>  |            |
| <b>Display</b>                  |                         | Numeric keypad *   | ✓          |
| Display diagonal *              | 39.6 cm (15.6")         | Windows keys   | ✓          |
| Display resolution *            | 1920 x 1080 pixels      | <b>Software</b>  |            |
| Touchscreen *                   | ✗                       | Operating system installed *                             | Windows 10 |
| HD type                         | Full HD                 | <b>Processor special features</b>                        |            |
| Panel type                      | IPS                     | Intel® My WiFi Technology (Intel® MWT)                   | ✓          |
| LED backlight                   | ✓                       | Intel® Smart Response Technology                         | ✓          |
| <b>Processor</b>                |                         | Intel® Identity Protection Technology (Intel® IPT)       | ✓          |
| Processor manufacturer *        | Intel                   | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓          |
| Processor family *              | Intel® Core™ i5         | Intel® Turbo Boost Technology                            | 2.0        |
| Processor generation            | 8th gen Intel® Core™ i5 | Enhanced Intel SpeedStep Technology                      | ✓          |
| Processor model *               | i5-8250U                | Intel® Clear Video HD Technology (Intel® CVT HD)         | ✓          |
| Processor cores                 | 4                       | Intel Clear Video Technology                             | ✓          |
| Processor threads               | 8                       | Intel® InTru™ 3D Technology                              | ✓          |
| Processor boost frequency       | 3.4 GHz                 | Intel® Quick Sync Video Technology                       | ✓          |
| Processor frequency *           | 1.6 GHz                 | Intel Flex Memory Access                                 | ✓          |
| System bus rate                 | 4 GT/s                  | Intel® AES New Instructions (Intel® AES-NI)              | ✓          |
| Processor cache                 | 6 MB                    | Intel Trusted Execution Technology                       | ✗          |
| Processor cache type            | Smart Cache             | Intel Enhanced Halt State                                | ✓          |
| Processor socket                | BGA 1356                | Intel VT-x with Extended Page Tables (EPT)               | ✓          |
| Processor lithography           | 14 nm                   | Intel® Secure Key  | ✓          |
| Processor operating modes       | 64-bit                  | Intel TSX-NI   | ✗          |
| Processor codename              | Kaby Lake R             | Intel Stable Image Platform Program (SIPP)               | ✗          |
| Bus type                        | QPI                     | Intel® OS Guard  | ✓          |
| Stepping                        | Y0                      |  |            |
| Thermal Design Power (TDP)      | 15 W                    |  |            |
| Configurable TDP-up frequency   | 1.8 GHz                 |  |            |
| Configurable TDP-up             | 25 W                    |  |            |
| Configurable TDP-down           | 10 W                    |  |            |
| Configurable TDP-down frequency | 0.8 GHz                 |  |            |
| Tjunction                       | 100 °C                  |  |            |

| Processor   |                         | Processor special features  |                         |
|---|-------------------------|---|-------------------------|
| Maximum number of PCI Express lanes               | 12                      | Intel Software Guard Extensions (Intel SGX)                                   | ✓                       |
| PCI Express slots version                         | 3.0                     | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✓                       |
| PCI Express configurations                        | 1x2+2x1, 1x4, 2x2, 4x1  | Intel 64  | ✓                       |
| ECC supported by processor                        | ✗                       | Execute Disable Bit   | ✓                       |
| Memory  |                         | Idle States   | ✓                       |
| Internal memory *                                 | 8 GB                    | Thermal Monitoring Technologies   | ✓                       |
| Internal memory type                              | DDR4-SDRAM              | Processor package size  | 42 x 24 mm              |
| Storage   |                         | Supported instruction sets  | AVX 2.0, SSE4.1, SSE4.2 |
| Total storage capacity *                          | 256 GB                  | Processor code  | SR3LA                   |
| Storage media *                                   | SSD                     | CPU configuration (max)   | 1                       |
| Number of SSDs installed                          | 1                       | Embedded options available  | ✗                       |
| SSD capacity                                      | 256 GB                  | Intel Virtualization Technology for Directed I/O (VT-d)                       | ✓                       |
| Optical drive type *                              | ✗                       | Intel Identity Protection Technology version                                  | 1.00                    |
| Graphics  |                         | Intel Smart Response Technology version                                       | 1.00                    |
| Discrete graphics card model *                    | NVIDIA® GeForce® MX150  | Intel Stable Image Platform Program (SIPP) version                            | 0.00                    |
| Discrete graphics card memory                     | 2 GB                    | Intel Secure Key Technology version   | 1.00                    |
| On-board graphics card *                          | ✓                       | Intel TSX-NI version  | 0.00                    |
| Discrete graphics card *                          | ✓                       | Intel Virtualization Technology (VT-x)  | ✓                       |
| On-board graphics card model *                    | Intel® UHD Graphics 620 | Processor ARK ID  | 124967                  |
| On-board graphics card base frequency             | 300 MHz                 | Conflict-Free processor   | ✓                       |
| On-board graphics card dynamic frequency (max)    | 1100 MHz                | Battery   |                         |
| Maximum on-board graphics card memory             | 32 GB                   | Battery technology  | Lithium-Ion (Li-Ion)    |
| On-board graphics card DirectX version            | 12.0                    | Number of battery cells   | 3                       |
| On-board graphics card OpenGL version             | 4.4                     | Battery capacity  | 4090 mAh                |
| On-board graphics card ID                         | 0x5917                  | Battery capacity *  | 44 Wh                   |
| Network   |                         | Weight & dimensions   |                         |
| Wi-Fi   | ✓                       | Width   | 379.5 mm                |
| Top Wi-Fi standard *                              | Wi-Fi 5 (802.11ac)      | Depth   | 249 mm                  |
| Wi-Fi standards                                   | Wi-Fi 5 (802.11ac)      | Height  | 22.6 mm                 |
| Ethernet LAN                                      | ✓                       | Weight *  | 2.1 kg                  |
| Bluetooth   | ✓                       | Ports & interfaces  |                         |
| USB 2.0 ports quantity *                          | 1                       | USB 2.0 ports quantity *  | 1                       |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                       | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *                             | 2                       |



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