

INTEL® NUC 8 COMPUTE ELEMENT (U-SERIES)

“Chandler Bay” Compute Element



8th Generation Intel® Core™ i7-8665U (CM8v7CB)

1.9 GHz – 4.8 GHz Turbo, 4 Core, 8 Thread, 8MB Cache, **15W**

Intel® vPro™ Technology, Intel® AMT, TPM 2.0

Intel® UHD Graphics 620, 300 MHz - 1150 MHz



8th Generation Intel® Core™ i7-8565U (CM8i7CB)

1.8 GHz – 4.6 GHz Turbo, 4 Core, 8 Thread, 8MB Cache, **15W**

Intel® UHD Graphics 620, 300 MHz - 1150 MHz



8th Generation Intel® Core™ i5-8365U (CM8v5CB)

1.6 GHz – 4.1 GHz Turbo, 4 Core, 8 Thread, 6MB Cache, **15W**

Intel® vPro™ Technology, Intel® AMT, TPM 2.0

Intel® UHD Graphics 620, 300 MHz - 1100 MHz



8th Generation Intel® Core™ i5-8265U (CM8i5CB)

1.6 GHz – 3.9 GHz Turbo, 4 Core, 8 Thread, 6MB Cache, **15W**

Intel® UHD Graphics 620, 300 MHz - 1100 MHz



8th Generation Intel® Core™ i3-8145U (CM8i3CB)

2.1 GHz – 3.9 GHz Turbo, 2 Core, 4 Thread, 4MB Cache, **15W**

Intel® UHD Graphics 620, 300 MHz - 1000 MHz



Intel® Pentium® Gold 5405U (CM8PCB)

2.3 GHz, 2 Core, 4 Thread, 2MB Cache, **15W**

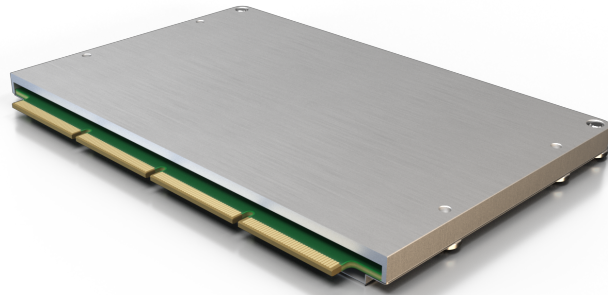
Intel® UHD Graphics 610, 300 MHz - 950 MHz



Intel® Celeron® 4305U (CM8CCB)

2.2 GHz, 2 Core, 2 Thread, 2MB Cache, **15W**

Intel® UHD Graphics 610, 300 MHz - 900 MHz



Family Features

- Intel® Wireless-AC 9560 soldered-down, 802.11ac 2x2 1.73Mbps + Bluetooth® 5
- 4 to 8GB soldered-down, dual-channel Memory
- Select SKUs with 64GB eMMC Storage
- Windows 10 & Linux operating systems supported
- I/O supported by the card-edge consolidated connector:
 - 4 USB 3.1
 - 3 USB 2.0
 - 2 x DDI (configurable as DP/HDMI)
 - 1 x eDP
 - 1 x GbE PHY
 - 1 x PCIe x4/SATA
 - 1 x PCIe x4
 - 1 x PCIe x1
 - 1 x HD Audio
 - eSPI (EC interface)
- Support for up to triple 4k@60Hz displays (dual DDI plus eDP interfaces)
- Generation agnostic heat-spreader thermal interface
- Supports integration in to both stationary and mobile system designs
- Module dimensions: **95 x 65 x 6 mm**
- No moving parts
- **Qualified for 24x7 operation**
- **Three Year Product Life Cycle**
- **Three Year Warranty**

Available SKUs

w/ RAM

w/ RAM & Storage

SKU details and ordering codes on next page

This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

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“Chandler Bay” Compute Element

Pre-Production Samples

Product Code	MM#	Design	Description
PPCM8v5CB8N	999LWC	Chandler Bay	8 th Gen Core i5 vPro, 8GB RAM, WW TPM
PPCM8i3CB4N	999LWD		8 th Gen Core i3, 4GB RAM
PPCM8CCB4R	999LWL		Celeron, 4GB RAM, 64GB eMMC

Chandler Bay Compute Element Ordering Codes

Product Code	MM#	Processor	RAM	Storage
BKCM8v7CB8N	999MCK	8th Gen vPro i7-8665U	8GB LPDDR3	None
BKCM8i7CB8N	999MCL	8th Gen i7-8565U	8GB LPDDR3	None
BKCM8v5CB8N	999M05	8th Gen vPro i5-8365U	8GB LPDDR3	None
BKCM8i5CB8N	999M06	8th Gen i5-8265U	8GB LPDDR3	None
BKCM8i3CB4N	999M07	8th Gen i3-8145U	4GB LPDDR3	None
BKCM8PCB4R	999M08	Pentium Gold 5405U	4GB LPDDR3	64GB eMMC
BKCM8CCB4R	999M09	Celeron 4305U	4GB LPDDR3	64GB eMMC