Support for Intel® NUC Compute Element
All Chandler Bay Compute Elements are supported in Austin Beach (Core i7 vPro, Core i7, Core i5 vPro, Core i5, Core i3, Pentium, Celeron)

Family Features
- Requires Intel® NUC Compute Element
- Fanless, dust-resistant chassis with I/O board installed; preliminary IP50 rating
- Three design implementations: Expandable (CMCR1ABA), Dual LAN (CMCR1ABB)
- Dual M.2 22x80 key M slots for PCIe x4 NVMe and SATA SSDs
- Two HDMI 2.0a with built-in CEC for all ports; 4-lane eDP on CMCR1ABB
  - CMCR1ABA: support for dual 4k@60Hz via HDMI 2.0a (additional 4k@60 via eDP on board SKU)
  - CMCR1ABB: support for dual 4k@60Hz via HDMI 2.0a
- Intel® Optane™ Memory H10 with Solid State Storage ready
- Intel® i219-LM 10/100/1000 Mbps RJ45 Ethernet; 2nd Intel® i211-AT GbE LAN on CMCR1ABB
- 1x front and 2x rear USB 3.1 gen 2 type A ports, 1x internal USB 3.0 header
- 1x front port and 2x internal USB 2.0 headers (replaced with 2x backpanel USB 2.0 ports on CMCR1ABB)
- 2x RS232 serial port headers
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- Qualified for 24x7 operation; delayed AC start; DC overvoltage protection
- EDID emulation (headless display, 2nd virtual display, persistent displays)
- 12 ~ 24VDC rear jack, internal 2x2 power connector
- Metal chassis, Kensington lock with base security
  - 0~40degC external ambient operating temperature
  - 19VDC 90W power supply adapter with geo-specific AC cords
  - VESA mounting plate included, with mechanical support for power supply adapter
  - External dipole antennas
  - CMCR1ABA: internal expansion bay via backpanel (2x DB9 punched bracket pre-installed)
  - Chassis dimensions: 254 x 152.4 x 36 mm (plus additional 4.8mm of rubber feet height)
  - Board dimensions: 170 x 136.4 mm (CMCR1ABA and CMCR1ABB)
  - Microsoft Windows® 10, Windows 10 IOT Enterprise, compatible with various Linux distros
  - Individual brown-box packaging; Three Year Product Life Cycle; Three Year Warranty

Available SKUs
- Mini PC
- Kit
- Chassis
- Board

SKU details and ordering codes on next page
**INTEL® NUC RUGGED CHASSIS ELEMENT (U-SERIES)**

### “Austin Beach” Chassis Element

#### Pre-Production Samples

<table>
<thead>
<tr>
<th>Product Code</th>
<th>MM#</th>
<th>Design</th>
<th>Description</th>
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<tbody>
<tr>
<td>PPCMCR1ABA</td>
<td>999M9M</td>
<td>Austin Beach</td>
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<tr>
<td>PPCMCR1ABB</td>
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<td>Dual LAN</td>
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#### Austin Beach Chassis/Board Ordering Codes

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<th>Product Code</th>
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<th>Description</th>
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<tr>
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<td>999M93</td>
<td>Rugged Chassis: “Expandable” w/US cord</td>
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<tr>
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<td>999M8F</td>
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