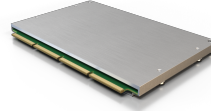


INTEL® NUC RUGGED CHASSIS ELEMENT (U-SERIES)

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)



Expandable (CMCR1ABA) backpanel



Dual LAN (CMCR1ABB) backpanel

“Austin Beach” Chassis Element

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 – 24V_{DC} rear jack, internal 2x2 power connector
- Metal chassis, Kensington lock with base security
 - **0~40degC** external ambient operating temperature
 - 19V_{DC} 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

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.

INTEL® NUC RUGGED CHASSIS ELEMENT (U-SERIES)

“Austin Beach” Chassis Element

Pre-Production Samples

| Product Code | MM# | Design | Description |
|--------------|--------|--------------|-------------|
| PPCMCR1ABA | 999M9M | Austin Beach | Expandable |
| PPCMCR1ABB | 999M9K | | Dual LAN |

Austin Beach Chassis/Board Ordering Codes

| Product Code | MM# | Description |
|--------------|--------|--|
| BKCMCR1ABA | 999M8V | Rugged Chassis: “Expandable” w/no cord |
| BKCMCR1ABA1 | 999M93 | Rugged Chassis: “Expandable” w/US cord |
| BKCMCR1ABA2 | 999M95 | Rugged Chassis: “Expandable” w/EU cord |
| BKCMCR1ABB | 999M96 | Rugged Chassis: “Dual LAN” w/no cord |
| BKCMCR1ABB1 | 999M97 | Rugged Chassis: “Dual LAN” w/US cord |
| BKCMCR1ABB2 | 999M98 | Rugged Chassis: “Dual LAN” w/EU cord |
| BKCMB1ABA | 999M8C | Carrier Board: “Expandable” |
| BKCMB1ABB | 999M8F | Carrier Board: “Dual LAN” |