

Palm-sized Compact PC with Excellent Expandability

Fanless embedded computer equipped with an Intel® Apollo Lake processor

Box Computer® **BX-C210** Series



Base Model **BX-C210**



PoE power Model **BX-C211**



Serial expansion Model **BX-C212**

Compact, palm-sized design

This embedded computer comes in a compact enclosure that can be mounted on a DIN rail or a wall (planned).

Rich, expandable interface for industrial applications

Featuring an extremely compact design, this series is equipped with a rich variety of expansion interfaces for use in a wide range of applications, including 1000BASE-T PoE ports, serial ports, and an M.2 slot.

PoE power model : Application example

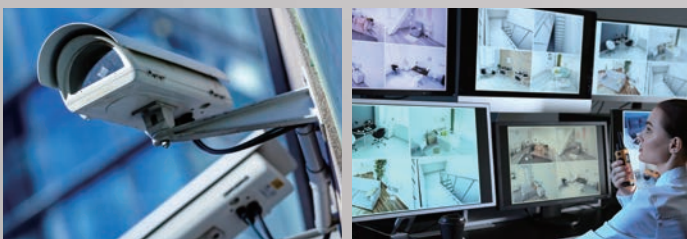


The BX-C211 is equipped with three 1000BASE-T PoE ports. PoE power from the BX-C211 can be used to power PoE-enabled network cameras, eliminating the need for dedicated camera power supplies and simplifying security system construction.

Serial expansion model : Application example



The BX-C212 is equipped with two serial ports (RS-232C × 1; RS-232C/422A/485 × 1), one M.2 Key B 2242 slot (internal), and one Mini-PCIe slot (internal). The rich interface options help contribute to system miniaturization by offering excellent expandability for on-site measurement applications and embedded applications with equipment.





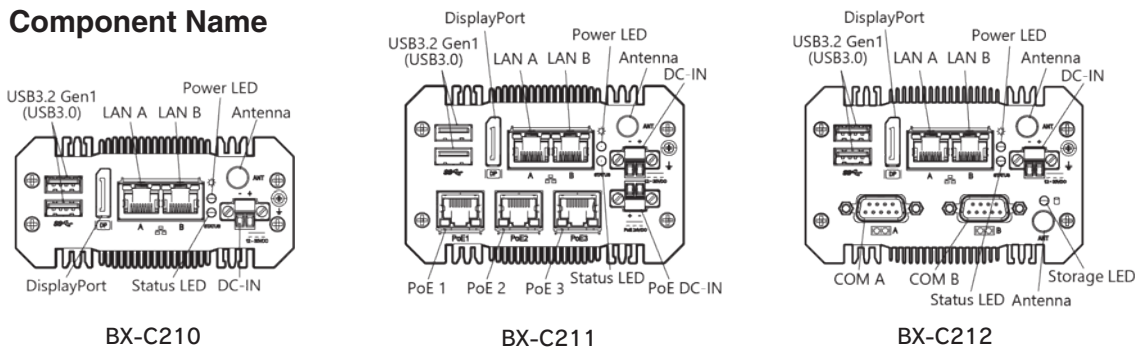
Ordering Information

Model	CPU / Memory / Storage	Expandable interface	OS
BX-C210-G203E05	Celeron N3350 / 4GB (LPDDR4) / 64GB (eMMC)	Not available	Not available
BX-C211-G203E05		PoE Port: 802.3af PoE GbE x 3 PoE power supply input: 24VDC (1.5 A)	
BX-C212-G203E05		Serial Port: RS-232C x 1 + RS-232C/422A/485 x 1 Expansion Slot: M.2 Key B 2242(SATA + USB) Mini-PCIe (PCIe + USB)	

Specifications

	BX-C210	BX-C211	BX-C212
CPU	Intel® Celeron® N3350 Processor 1.1GHz		
BIOS	AMI BIOS		
Security (TPM)	TCG TPM2.0		
Memory	4GB (On Board) PC4-19200 (LPDDR4 2400)		
Graphics Controller	Intel® HD Graphics 500 (CPU integrated)		
System Resolution (Max.)	4096 x 2160 @ 60Hz (DP v1.2)		
Storage	64GB (On Board) eMMC 5.0 flash		
LAN	Intel® I210 controllers, 1000BASE-T/100BASE-TX/10BASE-T x 2 ports (RJ-45 connector)		
USB	USB 3.2 Gen1 (USB 3.0) x 2 ports (Type-A connector)		
Expansion Interface	Not available	PoE Port: 802.3af PoE GbE x 3	Serial Port: RS-232C x 1 + RS-232C/422A/485 x 1 Expansion Slot: M.2 Key B 2242(SATA + USB) Mini-PCIe (PCIe + USB)
Hardware monitoring	Monitoring CPU temperature, power voltage		
Real Time Clock	Lithium backup battery life: 10 years or longer, The real-time clock is accurate within ±3 minutes (at 25°C) per month (CPU built-in RTC).		
Power Management	Power management setup via BIOS, Supports ACPI Power management		
Rated Voltage Rang / Current Consumption	12 to 24VDC 12V 3A, 24V 1.5A, 30V 1.2A		
Physical dimensions (W x D x H) (Not including the attachment fitting or protrusions)	99 x 46 x 92 mm (3.90 x 1.81 x 3.62 inch)	99 x 63 x 92 mm (3.90 x 2.48 x 3.62 inch)	99 x 63 x 92 mm (3.90 x 2.48 x 3.62 inch)
Weight	0.55kg / 1.21lb	0.65kg / 1.43lb	0.65kg / 1.43lb
Operating temperature	0 to 50°C / 32 to 122°F without airflow		
Standard	CE Marking (EMC Directive Class A, RoHS Directive), FCC Class A, UKCA, VCCI Class A		

Component Name



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