

FLEX-BX100-ULT5

8th Gen Intel® Whiskey Lake-U Industrial PC



- >> 8th Gen Intel® Whiskey Lake-U processors
- >> Low power consumption and fanless design
- >> Support PoE PD power
- >> Support NVMe SSD

Specifications

Hardware Spec.

Form factor

SBC Form Factor	<p>>> CPU: 8th Generation Intel® Core™ i5-8365UE 8th Generation Intel® Celeron® 4305UE</p> <p>>> Chipset: Intel® Whiskey Lake-U</p> <p>>> System Memory: 2 x 260-pin DDR4 SO-DIMM, one 4 GB pre-installed (system max: 32GB)</p> <p>>> Power: Input - DC Jack: 12 V DC Consumption: 12 V@3.5 A (Intel® Core™ i5-8365UE with 4 GB memory)</p> <p>>> Reliability: Shock - 10G acceleration part to part (11ms) Vibration 5~17Hz, 0.1 double amplitude displacement 17~640Hz 1.5G acceleration peak to peak Safety/EMC – CE/FCC</p>
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I/O Interface

I/O Ports	<p>1 x HDMI</p> <p>2 x PoE GbE LAN* (RJ-45)</p> <p>1 x GbE LAN (RJ-45)</p> <p>1 x RS-232/422/485 (DB-9, COM1)</p> <p>1 x RS-232 (DB-9, COM2)</p> <p>4 x USB 3.2 Gen 2 (10Gb/s) Type-A</p> <p>1 x Line-out</p>
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Expansion Slots

Expansion Slots	<p>M.2 2230 A-Key(PCIe x1, USB 2.0; support Wi-Fi, BT)</p> <p>M.2 2280 M-Key(PCIe x4; support NVMe SSD)</p>
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System

Cooling method / System Fan	Fanless
Drive Bays	2.5" HDD/SSD SATA 3(6.0Gb/s) bay

Indicator&Buttons

Buttons	<p>1 x Power button with LED indicator</p> <p>1 x Reset button</p>
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1 x AT/ATX mode switch
1 x Clear CMOS button

Color

Color PANTONE 296 C

Dimensions

Dimensions 356.5x 222 x 44(mm)

Weight

Weight 2.8/5.5kg

Environment

Operating Temperature -10°C ~ 60°C (with air flow)

Humidity 10% ~ 95% (non-condensing)

Ordering Information

FLEX-BX100-ULT5-i5/4G-R10 Fanless embedded system with Intel® 14nm 8th Whiskey Lake Core-i5-8365UE (6M Cache, up to 4.10 GHz) TDP 15W on-board Processor (ULT), 4GB DDR4 RAM x1, 12VDC input, R10

FLEX-BX100-ULT5-C/4G-R10 Fanless embedded system with Intel® 14nm 8th Whiskey Lake Celeron® 4305UE (2M Cache, 2.0 GHz) TDP 15W on-board Processor (ULT), 4GB DDR4 RAM x1, 12VDC input, R10

Package Contents

- » 1x FLEX-BX100-ULT5 PC
- » 1x Power adapter
- » 1x Power cord
- » 4x Screws (M3*4) for HDD installation

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