

FLEX-BX210-Q470

2U Modular PC with 10/11 th Generation LGA1200 Intel® Core™ i7/i5/i3, Pentium® Processor



Features

» Supported CPUs:

Intel® Core™ i3-10320 3.8 GHz (up to 4.6 GHz, quad-core, 65W TDP)

Intel® Core™ i5-10500TE 2.3 GHz (up to 3.7 GHz, 6-core, 35W TDP)

Intel® Core™ i7-10700TE 2.0 GHz (up to 4.4 GHz, 8-core, 35W TDP)

» Four hot-swappable HDD/SSD bays with RAID 0/1/5/10 support

» Equipped with PCIe 3.0 x4 slots and PCIe 3.0 x8 slots

» M.2 2280 PCIe Gen 3 x4 supporting NVMe

» Support IEI Mustang accelerator cards

Specifications

Form factor	
SBC Form Factor	CPU:
	10/11 th Gen Intel® Core™ CPU 35/65W
	Intel® Core™ i3-10320 3.8 GHz (up to 4.6 GHz, quad-core, 65W TDP)
	Intel® Core™ i5-10500TE 2.3 GHz (up to 3.7 GHz, 6-core, 35W TDP)
	Intel® Core™ i7-10700TE 2.0 GHz (up to 4.4 GHz, 8-core, 35W TDP)
	Chipset:
	Q470/Q470E
	System Memory:
	2 x 288-pin 2933/2666 MHz dual-channel DDR4 unbuffered DIMM supporting up to 64GB
	Power:
	ATX power supply, AC input
	350W power input
I/O Interface	
I/O Ports	USB:
	6 x USB 3.2 Gen 1
	Ethernet:
	3 x 2.5GbE LAN
	COM Port:
	2 x RS-232
	Display:
	1 x HDMI
	1 x DP
	Audio:
	1 x Line out
	1 x Mic in
	TPM:
	Support Intel PTT
	Watchdog Timer:
	Programmable 1 ~ 255 sec/min
Expansion Slots	
Expansion Slots	M.2:

	1 x M.2 B-Key 3042/52 socket
	(with SIM card slot, supporting 5G/LTE; supports PCIe 3.0 x1 & USB 3.2 Gen 1)
	1 x M.2 M-Key 2280 socket (supports PCIe 3.0 x4)
	1 x M.2 A-Key 2230 (supports PCIe 3.0 x1 & USB 2.0)
	Expansion Slots:
	2 x PCIe 3.0 x8
	2 x PCIe 3.0 x4
System	
Cooling method / System Fan	3 x System fan, 1 x CPU fan
Drive Bays	4 hot-swappable 2.5" HDD/SSD SATA 6Gb/s bays (support RAID 0/1/5/10), with LED indicators
Indicator&Buttons	
Buttons	1 x Power button
	1 x Reset button
	1 x AT/ATX switch
Indicators	1 x Power LED (blue)
	1 x HDD LED
Physical Characteristics	
Construction	Metal
Color	
Color	Black
Dimensions	
Dimensions	357 x 230 x 88
Weight	
Weight	4.1 kg/7.2 kg
Environment	
Operating Temperature	-10°C ~ 50°C
Humidity	5% ~ 95%, non-condensing
Operating Vibration	5~17Hz, 0.1 double amplitude displacement 17 ~ 640Hz 1.5G acceleration peak to peak
Operating Shock	10G acceleration part to part (11ms)
Safety & EMC	CE/FCC compliant
OS Support	
OS Support	Microsoft Windows 10 / Windows 11, Linux

Ordering Information

FLEX-BX210-Q470-i9D-R20	2U Modular box PC, Intel® 10th Generation Core™ i9-10900TE 1.8GHz (up to 4.5GHz, 10-core, TDP 35W), 16GB DDR4 pre-installed memory, TPM 2.0, 350W PSU, R20
FLEX-BX210-Q470-i7D-R20	2U Modular box PC, Intel® 10th Generation Core™ i7-10700TE 2.0GHz (up to 4.4GHz, 8-core, TDP 35W), 16GB DDR4 pre-installed memory, TPM 2.0, 350W PSU, R20
FLEX-BX210-Q470-i5C-R20	2U Modular box PC, Intel® 10th Generation Core™ i5-10500TE 2.3GHz (up to 3.7GHz, 6-core, TDP 35W), 8GB DDR4 pre-installed memory, TPM 2.0, 350W PSU, R20
FLEX-BX210-Q470-i3C-R20	2U Modular box PC, Intel® 10th Generation Core™ i3-10320 3.8GHz (up to 4.6GHz, 4-core, TDP 65W), 8GB DDR4 pre-installed memory, TPM 2.0, 350W PSU, R20
FLEX-BX210-Q470/35-R20	Barebone, 2U AI Modular BOX PC, Intel® COMET Lake, Q470 chipset, 2xPCIex4 and 2xPCIex8 slots, 4x HDD bay, w/o CPU, 350W PSU, R20

Packing List

1 x mounting kit	1 x power cord
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