

Cherry Box™

Enterprise Class Hyper-Slim BOX PC Solution



Features

- 7th Gen Intel® Core™ and Intel® Celeron® processors
- 25mm slim design is suitable for space-limited installation environment
- Dual HDMI display output (up to 4096 x 2160 UHD Resolution)
- Fanless design for noise free operation (J1900)
- Enhanced expandability with internal Mini-PCIe interface

BOX PC™ is one of the most slim Enterprise class BOX PC solution which powered by Intel Core i5 7200U, i3 7100U, Intel Celeron 3965U or J1900 Processors for powerful performance in any conditions. BOX PC's Hyper-slim design with Aluminum die-casting case made BOX PC to Enterprise class PC solution which fulfils durability requirements in any environment. BOX PC™ can be applicable in various environments, such as Main system of Kiosk, ATM, Digital Signage, or other industrial purposes that requires durability and powerful performance of the System.

BOX PC™ has Dual HDMI to provide Multi display outputs simultaneously. The latest CPUs deliver advanced graphic performance for Digital Signage solution. BOX PC™ offers ample I/O ports to use it as a standalone enterprise class device.

Specifications

System	Processors	7200U/7100U/3965U Intel® Core™ i5-7200U (3M Cache, 2.50/3.10 GHz(Turbo), 2 Cores), Internal Fan Type Intel® Core™ i3-7100U (3M Cache, 2.40 GHz, 2 Cores), Internal Fan Type Intel® Celeron® 3965U (2M Cache, 2.20 GHz, 2 Cores), Internal Fan Type J19 Intel® Celeron® J1900 (2M Cache, 2.0/2.42 GHz(Burst), 4 Cores), Fanless Type
	Chipset	7200U/7100U/3965U Intel® Kaby Lake J1900 Intel® Bay Trail
	Memory	7200U/7100U/3965U 4GB Standard (Max. 64GB), DDR4 2133MT/s, Socket 2 x SODIMM J19 4GB Standard (Max. 8GB), DDR3L 1600 MT/s, Socket 2 x SODIMM
	Storage	SATA 3 (6Gb/s) 2.5 inch SSD 64GB (Max. 2 Optional), Support AHCI
	RAID	7200U/7100U RAID 0,1
	Operating Systems	7200U/7100U/3965U Windows 10 IoT Enterprise J19 Windows 7, Windows 8.1, Windows 10 IoT Enterprise, POS Ready 7
	Audio	Realtek ALC 892
Interface	Display	2 x HDMI (up to 4096 x 2160 / 3840 x 2160 4K Resolution)
	USB	7200U/7100U/3965U 6 (2 x USB 3.0, 2 x USB 2.0, Reserved 2 x USB 2.0) J19 6 (1 x USB 3.0, 3 x USB 2.0, Reserved 2 x USB 2.0)
	Serial	1 (COM 1 with 5V/12V Power Output on 9 Pins)
	LAN	2 x Gigabit Ethernet, RJ-45
	Audio	1 x Line-out
	Power DC-IN	7200U/7100U/3965U 1 x (2 Pin Connector) J19 1 x (2 Pin Connector)
	Extension Slot	Mini PCIe for Wireless LAN/BT/LTE
Power	Power Supply	Adaptor 12V, 5A
Physical & Environmental	Operating Temperature	0 °C ~ 40 °C at 10% ~ 80% Humidity
	Storage Temperature	-20°C ~ 80°C at 10% ~ 90% Humidity
	Dimensions (W x H x D)	180 x 183 x 25(mm), 7 x 7.2 x 0.9(in)
Options & Peripherals	Storage	NVME M.2 128G
	Wall Mount Kit	supported
	WiFi	Mini PCIe for Wireless LAN

*Specifications may change without prior notice.

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CherryBox - A Type		CherryBox - B Type	
			
System		System	
Processor	7200U/7100U/3965U Intel® Core™ i5-7200U (3M Cache, 2.50/3.10 GHz(Turbo), 2 Cores) Intel® Core™ i3-7100U (3M Cache, 2.40 GHz, 2 Cores) Intel® Celeron® 3965U (2M Cache, 2.20 GHz, 2 Cores) J1900 Intel® Celeron® J1900 (2M Cache, 2.0/2.42 GHz(Burst), 4 Cores), Fanless	Processor	7200U/7100U/3965U Intel® Core™ i5-7200U (3M Cache, 2.50/3.10 GHz(Turbo), 2 Cores) Intel® Core™ i3-7100U (3M Cache, 2.40 GHz, 2 Cores) Intel® Celeron® 3965U (2M Cache, 2.20 GHz, 2 Cores) J1900 Intel® Celeron® J1900 (2M Cache, 2.0/2.42 GHz(Burst), 4 Cores), Fanless
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Storage	SATA 3 (6Gb/s) 2.5 inch SSD 64GB (Max. 2 Optional), Support AHCI	Storage	SATA 3 (6Gb/s) 2.5 inch SSD 64GB (Max. 2 Optional), Support AHCI
RAID	7200U/7100U RAID 0,1	RAID	7200U/7100U RAID 0,1
OS	7200U/7100U/3965U Windows 10 IoT Enterprise J1900 Windows 7, Windows 8.1, Windows 10 IoT Enterprise, POS Ready 7	OS	7200U/7100U/3965U Windows 10 IoT Enterprise J1900 Windows 7, Windows 8.1, Windows 10 IoT Enterprise, POS Ready 7
Audio	Realtek ALC 892	Audio	Realtek ALC 892
Interface		Interface	
Display	HDMI x 2	Display	HDMI x 2
USB	7200U/7100U/3965U - 4 (USB 3.0 x 2 / USB 2.0 x 2) - 1 (USB C x 1, USB3.0, 5V/3A) J1900 - 4 (USB 3.0 x 1 / USB 2.0 x 3) - 1 (USB C x 1, DP, USB3.0, 5V/3A)	USB	7200U/7100U/3965U - 2 (Front, USB 2.0 x 2) - 1 (USB C, DP, USB 3.0, 5V/3A) J1900 - 2 (Front, USB 2.0) - 1 (USB C x 1, USB 3.0, 5V/3A)
Serial	6 - COM 1 : 9pin connector - COM 2 ~ 6 : inner Header pin, Full signal	Serial	6 - COM 1 ~ 2 : 9pin connector - COM 3 ~ 4 : RJ45 - COM 5 ~ 6 : inner header pin, full signal
LAN	Gigabit Ethernet, RJ-45 x 2	LAN	Gigabit Ethernet, RJ-45 x 2
Audio	Line-out x 1	Audio	Line-out x 1
Power DC-in	2 Pin Connector x 1	Power DC-in	2 Pin Connector x 1
Extension	Mini PCIe for WIFI/BT/4G, M.2 for SSD	Extension	Mini PCIe for WIFI/BT/4G, M.2 for SSD
Display(Monitor)		Display(Monitor)	
Supported	HDMI monitor x 2 (Max. 4K)	Supported	HDMI monitor x 2 (Max. 4K)
4K Resolution	4096 x 2160 / 3840 x 2160	4K Resolution	4096 x 2160 / 3840 x 2160
Power		Power	
Power supply	Adaptor 12V, 5A	Power supply	Adaptor 12V, 5A
Physical & Environmental		Physical & Environmental	
Operating Temperature	0 °C ~ 40 °C at 10% ~ 80% Humidity	Operating Temperature	0 °C ~ 40 °C at 10% ~ 80% Humidity
Storing Temperature	-20°C ~ 80°C at 10% ~ 90% Humidity	Storing Temperature	-20°C ~ 80°C at 10% ~ 90% Humidity
Dimensions	180 x 183 x 25(mm) / 7 x 7.2 x 0.9(in)	Dimensions	180 x 183 x 25(mm) / 7 x 7.2 x 0.9(in)
Option		Option	
Storage	Micro SD, NVME M.2 SSD	Storage	NVME M.2 SSD
Wall attached	Wall bracket sold separately	Wall attached	Wall bracket sold separately
WLAN	Bluetooth(V4.0) + WLAN(802.11 a/b/g/n, 2.4G) combo module(mini PCIe)	WLAN	Bluetooth(V4.0) + WLAN(802.11 a/b/g/n, 2.4G) combo module(mini PCIe)