

# UBC-200

## Freescal e ARM Cortex-A9 i.MX6 RISC Compact Box Computer

NEW



### Features

- Freescale ARM Cortex-A9 i.MX6 Dual/Quad 1 GHz high performance processor
- Onboard DDR3 1 GB, up to 2 GB
- On board 4 GB eMMC Flash
- Supports OpenGL ES 2.0 and OpenVG 1.1 hardware accelerators, full HD 1080p video codec
- HDMI 1920x1080
- 1 USB 2.0, 1 10/100/1000 Mbps Ethernet; 1 SD Slot
- On board mini-PCIe connector for WIFI/3G module support
- Low power, fanless design
- Supports wall mount and Din-rail



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CE FCC



### Introduction

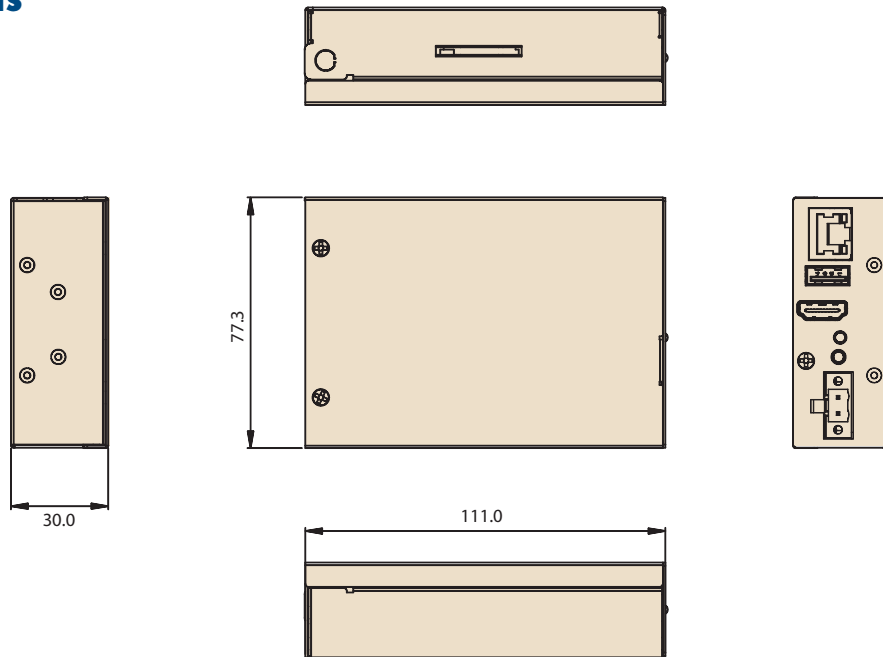
UBC-200 is an IP-based RISC compact box for industrial applications and the IoT market. With a powerful ARM Freescale i.MX6 Cortex-A9 Dual/Quad core processor inside, UBC-200 is the best choice to fulfill the requirements of CPU performance and power consumption. It supports USB 2.0, HDMI up to 1080p and Gigabit Ethernet. As well as one mini PCIe slot for WIFI/3G module support and a built-in SD card socket for storage expansion. With the wall mount brackets enclosed in UBC-200 package, you can easily install it on a solid wall or any material surfaces.

### Specifications

Processor System	CPU	Freescal e i.MX6 Cortex-A9 Dual/Quad 1GHz
	Technology	DDR3 1066 MHz
Memory	Capacity	On-board DDR3 1 GB, up to 2 GB
	Flash	4 GB eMMC Flash for O.S. and 4 MB NOR Flash for Advantech boot loader
	HDMI	1
Graphics	Graphics Engine	2 IPUs. OpenGL ES 2.0 for 3D, BitBlit for 2D and OpenVG 1.1
	H/W Video Codec	Decoder: MPEG-4 ASP, H.264 HP, H.263, MPEG-2 MP, MJPEG BP Encoder: MPEG-4 SP, H.264 BP, H.263, MJPEG BP
	Ethernet	Chipset: Freescal e i.MX6 integrated RGMII Speed: 1 10/100/1000 Mbps
RTC	RTC	Yes
WatchDog Timer	WatchDog Timer	Yes
I/O	USB	1 USB 2.0
	SDIO	1 SD slot
	Button	1 Reset button
Indicator	LED	1 Green LED for the system power
Expansion	Mini PCIe	1
	SD Socket	1
	SIM	1
Power	Power Supply Voltage	9 – 24 V <sub>DC</sub>
	Power Type	Two poles lockable DC-in
	Power Consumption	3.16W (Max. load)
Environment	Operating Temperature	0 – 60° C
	Operating Humidity	5%–95% Relative Humidity, non-condensing
Mechanical	Dimensions (W x D)	111 x 77 x 30 mm
	Mounting	Wall mount, DIN-Rail
	Weight	312G
Operating System	Linux	V3.0.35
Certifications		CE/FCC Class B

## Dimensions

Unit: mm



## Ordering Information

Part No.	CPU	Memory	Flash Memory	UART	LAN	USB Host	HDMI	Size	Operating Temperature
UBC-200CD-MDA1E	Freescale i.MX6 Dual 1 GHz	1 GB	4 GB	-	1	1	1	111 x 77 x 30mm	0 ~ 60° C
UBC-200CQ-MEA1E	Freescale i.MX6 Quad 1 GHz	2 GB	4 GB	-	1	1	1	111 x 77 x 30mm	0 ~ 60° C

## Optional Accessories

Part Number	Description
1757003553	ADAPTER 100-240V 36W 12V 3A
1700017968	DC-Jack/Plug-in cable
1960015198T011	DIN-rail for UBC-200
SQF-ISDS1-2G-86E	SQFlash SD card SLC 2G, 1CH (-40 ~ 85° C)
EWM-W142F01E	802.11 b/g/n,AR9287,2T2R,Full size Mini PCIe
1750007050-01	WiFi RP-SMA short SMA Jack(9.5mm) to U.FL_100mm (WiFi Cable)
1750000318	EMI Antenna 2DBI 2.4GHz SMA CONN for ARK-3384 (WiFi Antenna)
EWM-C106FT01E	Cellular, HSUPA/WCDMA/GPRS,Full Mini PCIe
1750007156-01	Cellular/GPS SMA Short JACK(9.5MM) L=100mm (3G Cable)
1750005865	Antenna L=10.9cm 500hm AN8921F-5701SM (3G Antenna)
1700001524	Power Cord 3P UL 10A 125V 180cm
170203183C	Power Code 3P Europe (WS-010+WS-083)183cm
170203180A	Power Cord 3P UK 2.5A/3A 250V 1.83M

## External I/O

