

Product specifications

MintBox 2

MintBox Mini

MintBox Mini Pro

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Model			
Name	MintBox 2	MintBox Mini	MintBox Mini Pro
Part Number	IPC-C3337NL-D2x2-H500-WB-XLM-FM4U-BMint	FITLET-GB-C64-D4-M64S-W-XL-BMint	FITLET-R-GI-C67-D8-M120S-WACB-XL-BMint
Block Diagram	Intense PC Block Diagram	fitlet-i Block Diagram	fitlet-i Block Diagram
Current HW Revision	1.2	1.4	1.4
Long Term Availability	EOL	2019	2024
Processor			
Type	Intel 3rd Gen Core i5-3337U Processor (Ivy Bridge)	AMD A4 Micro-6400T SoC	AMD A10 Micro-6700T SoC
Cores	64-bit dual core	64-bit quad core	64-bit quad core
Clock speed	1.8GHz (turbo boost up to 2.7GHz)	1.0GHz (boost up to 1.6GHz)	1.2GHz (boost up to 2.2GHz)
TDP	17W	4.5W	4.5W
Chipset	Mobile Intel QM77 Chipset (Panther Point)	SoC (CPU and Chipset on the same die)	SoC (CPU and Chipset on the same die)
Memory			
Supported	2x SO-DIMM 204-pin DDR3 SDRAM memory slots Up to 16GB (2x 8GB) Non-ECC DDR3-1333/1600	1x SO-DIMM 204-pin DDR3L SDRAM memory slot Up to 16GB Non-ECC DDR3L-1333 (1.35V)	1x SO-DIMM 204-pin DDR3L SDRAM memory slot Up to 16GB Non-ECC DDR3L-1333 (1.35V)
Installed	4GB (2x 2GB)	4GB	8GB
Storage			
Supported	1x SATA up to 6 Gbps (SATA 3.0) for internal 2.5" HDD/SSD 1x mSATA slot up to 3 Gbps (SATA 2.0) 2x eSATA ports up to 3 Gbps (SATA 2.0)	1x mSATA slot up to 6 Gbps (SATA 3.0)	1x mSATA slot up to 6 Gbps (SATA 3.0)
Installed	Internal 2.5" 500GB HDD	Internal mSATA 64GB SSD	Internal mSATA 120GB SSD
Graphics			
GPU	Intel HD Graphics 4000 Dual display mode supported	AMD Radeon R3 Graphics Dual display mode supported	AMD Radeon R6 Graphics Dual display mode supported
Display Interface 1	HDMI 1.4a up to 1920 x 1200 @ 60Hz	HDMI 1.4a up to 1920 x 1200 @ 60Hz	HDMI 1.4a up to 1920 x 1200 @ 60Hz
Display Interface 2	DisplayPort 1.1a up to 2560 x 1600 @ 60Hz	HDMI 1.4a up to 1920 x 1200 @ 60Hz	HDMI 1.4a up to 1920 x 1200 @ 60Hz
Display Interface 3	N/A	N/A	N/A
Discrete Graphics	N/A	N/A	N/A
Audio			
Codec	Realtek ALC888-VC2 HD audio codec	Realtek ALC886 HD audio codec	Realtek ALC886 HD audio codec
Audio Output	Analog stereo output Digital 7.1+2 channels S/PDIF output 3.5mm jack	Analog stereo output Digital 7.1+2 channels S/PDIF output 3.5mm jack	Analog stereo output Digital 7.1+2 channels S/PDIF output 3.5mm jack
Audio Input	Analog stereo Microphone input Digital S/PDIF input 3.5mm jack	Analog stereo Microphone input Digital S/PDIF input 3.5mm jack	Analog stereo Microphone input Digital S/PDIF input 3.5mm jack

Networking			
LAN	2x GbE LAN ports LAN1: Intel 82579 GbE PHY (MAC integrated into the chipset) (RJ-45) LAN2: Realtek RTL8111F-CG GbE controller (RJ-45) LAN3-6: N/A	1x GbE LAN port (RJ-45) LAN1: Intel I211 GbE controller	2x GbE LAN ports (RJ-45) LAN1: Intel I211 GbE controller LAN2: Intel I211 GbE controller
Wireless	WLAN 802.11 b/g/n (2.4GHz Qcom Q802XRN5B module) Bluetooth 3.0 + HS	WLAN 802.11b/g/n Wifi module	WLAN 802.11ac (2.4/5GHz dual band Intel 7260HMW) Bluetooth 4.0
Connectivity			
USB	6x USB 2.0 2x USB 3.0	2x USB 3.0 3x USB 2.0	2x USB 3.0 4x USB 2.0
Serial	1x Serial communication port COM1: RS232 via mini serial connector	1x Serial communication port COM1: RS232 via mini serial connector	1x Serial communication port COM1: RS232 via mini serial connector
SD	N/A	Micro-SD slot support SD/SDHC cards Transfer rates up to 25 MB/s	Micro-SD slot support SD/SDHC cards Transfer rates up to 25 MB/s
Special I/O	N/A	N/A	1x micro SIM slot (6 pins) ²
Expansion	Half-size mini-PCIe socket Full-size mini-PCIe/mSATA socket ²	1x Full-size mSATA socket (low profile)	1x Full-size mSATA socket (low profile) 1x Half/Full-size mini-PCIe socket (high profile)
Advanced Technologies			
vPRO	No	No	No
AMT	No	No	No
CPU Virtualization	Yes	Yes	Yes
AES	Yes	Yes	Yes
Special Functionality	Auto-On Wake-on-LAN Wake-on-Timer PXE Boot Watchdog	Auto-On Wake-on-LAN Wake-on-Timer PXE Boot Watchdog	Auto-On Wake-on-LAN Wake-on-Timer PXE Boot Watchdog
Bootloader			
Vendor	Phoenix	American Megatrends Inc.	American Megatrends Inc.
Features	BIOS Legacy mode UEFI 2.2 mode Secure Boot	TBA	TBA
Operating System			
Supported	Windows XP/7/8, 32-bit and 64-bit Windows Server 2012 R2 Linux 32-bit and 64-bit Embedded OS	Windows 7/8/10, 32-bit and 64-bit Linux 32-bit and 64-bit Embedded OS	Windows 7/8/10, 32-bit and 64-bit Linux 32-bit and 64-bit Embedded OS
Official Linux	Linux Mint 18 Cinnamon (64-bit)	Linux Mint 18 Cinnamon (64-bit)	Linux Mint 18 Cinnamon (64-bit)
Installed	Linux Mint 18 Cinnamon (64-bit)	Linux Mint 18 Cinnamon (64-bit)	Linux Mint 18 Cinnamon (64-bit)
Operating Conditions			
Input Voltage	Unregulated 10 – 15VDC input ¹	Unregulated 10 – 15VDC input ¹	Unregulated 10 – 15VDC input ¹
Power Consumption	10W – 26W	4.5W-10.5W	4.5W-10.5W
Operating Temperature	1. Commercial HDD models: 0°C to 50°C SSD models: 0°C to 70°C 2. Extended (TE) SSD models only: -20°C to 70°C 3. Industrial (TI) SSD models only: -40°C to 70°C	1. Commercial (SSD inside): 0°C to 40°C 2. Extended (TE), (SSD inside): -20°C to 70°C 3. Industrial (TI), (SSD inside): -40°C to 70°C	1. Commercial (SSD inside): 0°C to 40°C 2. Extended (TE), (SSD inside): -20°C to 70°C 3. Industrial (TI), (SSD inside): -40°C to 70°C
Relative Humidity	10% to 90% (operation) 5% to 95% (storage)	10% to 90% (operation) 5% to 95% (storage)	10% to 90% (operation) 5% to 95% (storage)

MTTF	> 100,000 hours	> 100,000 hours*	> 100,000 hours*
Enclosure			
Material	Die Cast Aluminum	Aluminum and PC/ABS	Aluminum & zinc (all-metal housing)
Cooling	Passive Cooling Fanless Design	Passive Cooling Fanless Design	Passive Cooling Fanless Design
Dimensions	19cm x 16cm x 4cm	10.8cm x 8.3cm x 2.4cm	10.8cm x 8.3cm x 2.4cm
Weight	1150gr	250gr	450gr
Package			
In the Box	1. MintBox2 computer 2. Power supply: input 100-240VAC 50/60Hz, 60W output 12VDC 5A, DC plug lock; North American AC cord 3. Video HDMI to DVI adapter 4. Audio 3.5mm to RCA cable 5. WiFi 2.4GHz band 2 antennas (in some models) 6. Mini-serial to DB9-male adapter cable	1. MintBox mini computer 2. Power supply: input 100-240VAC 50/60Hz, 36W output 12VDC 3A, DC plug lock, attachable NA and EU plugs 3. Video HDMI to DVI adapter 4. Audio 3.5mm to RCA cable 5. WiFi 2.4GHz/5GHz band 2 antennas (in some models) 6. Mini-serial to DB9-male adapter cable 7. mSATA heatsink	1. MintBox mini computer 2. Power supply: input 100-240VAC 50/60Hz, 36W output 12VDC 3A, DC plug lock, attachable NA and EU plugs 3. Video HDMI to DVI adapter 4. Audio 3.5mm to RCA cable 5. WiFi 2.4GHz/5GHz band 2 antennas (in some models) 6. Mini-serial to DB9-male adapter cable 7. mSATA heatsink
Warranty	5 years ³	5 years	5 years
Notes	1. Nominal input voltage: 12V 2. Shared with mSATA 3. For products purchased since 1-Jan-2013	1. Nominal input voltage: 12V	1. Nominal input voltage: 12V