

fitlet-i/X /RM



Specifications



fitlet RM



fitlet i



fitlet X

Overview

The fitlet is a miniature fanless quad-core PC which would outclass any competing PC's based on the AMD A4 Micro 6400T with Radeon™ R3 Graphics. The fitlet is also designed for unmatched openness; Networking, storage, memory, extension cards and operating systems can be upgraded by the user with ease.

The fitlet features the AMD E1 Micro-6400T 64 bit, 1.6 GHz processor with AMD Radeon™ R2 Graphics in the fitlet-B whereas the fitlet-i and fitlet-X features the AMD A4 Micro-6400T 64 bit, 1.6 GHz processor with AMD Radeon™ R3 Graphics. The fitlet range has dual head display of up to 1920 × 1200 resolution and up to 8GB RAM.

The fitlet is designed to replace the fit-PC2, from which every aspect is improved; Memory and performance capacity of the fitlet quadrupled compared to the fit-PC2, smaller housing, entry price reduction and connectivity, networking, graphics and storage improvements beyond comparison.

fitlet-i/X/RM: Specifications and Models

System	fitlet-i Barebone	fitlet-X-LAN Barebone	fitlet-RM-IA10 Barebone
Part Number	FITLET-GI-C64-WACB	FITLET-GX-C64-FLAN-W	FITLET-R-GI-C67-WACB
Block Diagram	fitlet-i Block Diagram	fitlet-X Block Diagram	fitlet-i Block Diagram
Current HW Revision	1.4	1.3	1.4
Long Term Availability	EOL	EOL	2024
Processor			
Type	AMD A4 Micro-6400T SoC	AMD A4 Micro-6400T SoC	AMD A10 Micro-6700T SoC
Cores	64-bit quad core	64-bit quad core	64-bit quad core
Clock speed	1.0GHz (boost up to 1.6GHz)	1.0GHz (boost up to 1.6GHz)	1.2GHz (boost up to 2.2GHz)
TDP	4.5W	4.5W	4.5W
Chipset	SoC (CPU and Chipset on the same die)	SoC (CPU and Chipset on the same die)	SoC (CPU and Chipset on the same die)
Memory			
Supported	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)	1x SO-DIMM 204-pin DDR3L SDRAM memory slot Up to 16GB Non-ECC DDR3L-1333 (1.35V)
Installed	Not installed	Not installed	Not installed
Storage			
Supported	1x mSATA slot up to 6 Gbps (SATA 3.0) 1x eSATAp (powered & USB combo) up to 6 Gbps (SATA 3.0)	1x mSATA slot up to 6 Gbps (SATA 3.0)	1x mSATA slot up to 6 Gbps (SATA 3.0) 1x eSATAp (powered & USB combo) up to 6 Gbps (SATA 3.0)
Installed	Not installed	Not installed	Not installed
Graphics			
GPU	AMD Radeon R3 Graphics 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	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 3	N/A	N/A	N/A
Discrete Graphics	N/A	N/A	N/A
Audio			
Codec	Realtek ALC886 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

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Networking			
LAN	2x GbE LAN ports (RJ-45) LAN1: Intel I211 GbE controller LAN2: Intel I211 GbE controller	4x GbE LAN ports (RJ-45) LAN1: Intel I211 GbE controller LAN2: Intel I211 GbE controller LAN3: Intel I211 GbE controller LAN4: Intel I211 GbE controller	2x GbE LAN ports (RJ-45) LAN1: Intel I211 GbE controller LAN2: Intel I211 GbE controller
Wireless	WLAN 802.11ac + Bluetooth	WLAN 802.11b/g/n Wifi module	WLAN 802.11ac + Bluetooth
Connectivity			
USB	2x USB 3.0 4x USB 2.0	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	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	Micro-SD slot support SD/SDHC cards Transfer rates up to 25 MB/s
Special I/O	1x micro SIM slot (6 pins) ²	1x micro SIM slot (6 pins) ²	1x micro SIM slot (6 pins) ²
Expansion	1x Full-size mSATA socket (low profile) 1x Half/Full-size mini-PCIe socket (high profile)	1x Full-size mSATA socket (low profile) 1x Half/Full-size mini-PCIe socket (highprofile) 1x FACET card interface Custom connectivity 3 PCIe lanes, adapter half-to-full size required	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 Remote power button	Auto-On Wake-on-LAN Wake-on-Timer PXE Boot Watchdog Remote power button	Auto-On Wake-on-LAN Wake-on-Timer PXE Boot Watchdog Remote power button
Bootloader			
Vendor	American Megatrends Inc.	American Megatrends Inc.	American Megatrends Inc.
Features	TBA	TBA	TBA
Operating System			
Supported	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	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	Not installed	Not installed	Not installed

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Operating Conditions			
Input Voltage	Unregulated 10 – 15VDC input ¹	Unregulated 10 – 15VDC input ¹	Unregulated 10 – 15VDC input ¹
Power Consumption	4.5W-10.5W	4.5W-10.5W	4.5W-10.5W
Operating Temperature	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	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	Aluminum and PC/ABS	Aluminum and PC/ABS	Aluminum & zinc (all-metal housing)
Cooling	Passive Cooling Fanless Design	Passive Cooling Fanless Design	Passive Cooling Fanless Design
Dimensions	10.8cm x 8.3cm x 2.4cm	10.8cm x 8.3cm x 2.4cm	10.8cm x 8.3cm x 2.4cm
Weight	220gr	250gr	420gr
Package			
In the Box	1. fitlet 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. fitlet 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. 802.11n Wifi module 6. Mini-serial to DB9-male adapter cable 7. mSATA heatsink	1. fitlet 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	5 Years	5 Years
Notes	1. Nominal input voltage: 12V 2. For use with Cellular Modem kit	1. Nominal input voltage: 12V 2. For use with Cellular Modem kit	1. Nominal input voltage: 12V 2. For use with Cellular Modem kit