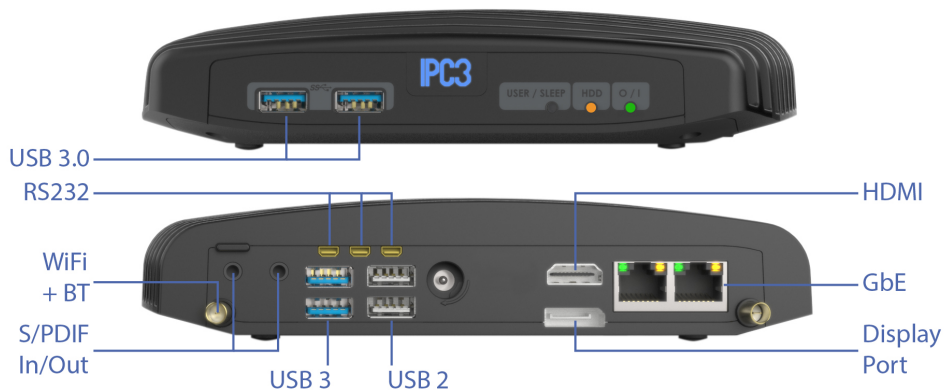


fit PC INTENSE 3



specifications

fit-PC Intense 3



Overview

fit-PC Intense 3 has the proven ruggedized form-factor of fit-PC Intense 2 with improved passive cooling to enable this 7th generation Intel® Core™-i7 to operate at an industrial temperature range of -40°C to 70°C.

The standard IPC3 features include up to 32 GB RAM, multiple storage devices spanning M.2, mSATA and 2.5", dual 4K display interfaces, dual Gbit Ethernet and support for WiFi and cellular data communication. A key feature of IPC3 is support for Function and Connectivity Extension (FACE) Modules – internal extension cards that add special functionality on top of the basic configuration. FACE Modules allow seamless enhancement of the functionality of IPC3 and other Compulab PCs, like fitlet-T and Airtop. The trio of FACE Modules launched with IPC3 are FM-OPLN, FM-POE 1.1 and FM-EBP.

fit-PC Intense 3: Specifications and Models

System	fit-PC Intense 3 i5 Barebone	fit-PC Intense 3 i7 Barebone
CPU	Intel 7th Gen Core i5-7200U Processor (Kaby Lake) 64-bit dual core @ 2.5 GHz (turbo boost up to 3.1 GHz)	Intel 7th Gen Core i7-7500U Processor (Kaby Lake) 64-bit dual core @ 2.7 GHz (turbo boost up to 3.5 GHz)
TDP	15 W	
Chipset	Intel Mobile PCH (MCP package)	
Memory	2 x SO-DIMM 204-pin DDR3L SDRAM memory slots Up to 32GB (2x 16 GB) Non-ECC DDR3L-1600 (1.35V)	
Storage	1 x SATA up to 6 Gbps (SATA 3.0) for internal 2.5" HDD / SSD 2 x mSATA slot up to 6 Gbps (SATA 3.0) 1 x M.2 B-key slot	
Supported OS	Windows 10 Linux Mint 18 Cinnamon (64-bit) (Not installed)	

Display & Graphics	fit-PC Intense 3 i5 Barebone	fit-PC Intense 3 i7 Barebone
GPU	Intel HD 620 Graphics Dual display mode supported	
Display	1 x HDMI 1.4a up to 4096 x 2304 @ 24 Hz 1 x DisplayPort 1.2 up to 4096 x 2304 @ 60 Hz	

Input / Output	fit-PC Intense 3 i5 Barebone	fit-PC Intense 3 i7 Barebone
Audio Input	Analog Stereo Microphone Input Digital S / PDIF input 3.5 mm jack	
Audio Output	Analog Stereo Output Digital 7.1+2 channels S / PDIF output 3.5 mm jack	
Codec	Realtek ALC886 HD audio codec	
LAN	2 x GbE LAN ports LAN 1: Intel I219 GbE PHY (MAC integrated into the chipset) (RJ-45) LAN 2: Intel I211 GbE controller (RJ-45) LAN 3-6: N/A	

Input / Output	fit-PC Intense 3 i5 Barebone	fit-PC Intense 3 i7 Barebone
USB	4 x USB 3.0 2 x USB 2.0	
Serial	3 x Serial communication ports COM 0: 4-wire RS232 via mini serial connector COM 1: 4-wire RS232 via mini serial connector COM 2: 2-wire RS232 via mini serial connector	
WiFi	WLAN 802.11ac (2.4 / 5 GHz dual band Intel 7260 HMW)	
Bluetooth	Bluetooth 4.0	
Special	1 x micro SIM slot (6 pins) For use with Cellular Modem Kit	
Expansion	1 x M.2 B-key 2230 / 60 slot (USB 3.0 / PCIe, SATA / PCIe, USB 2.0) 1 x Full-size mini-PCIe socket FACE Modules	

Advanced Technologies	fit-PC Intense 3 i5 Barebone	fit-PC Intense 3 i7 Barebone
vPRO	No	
AMT	No	
AES	Yes	
CPU Virtualization	Yes	
Special Functionality	Auto-On Wake-on-LAN Wake-on-Timer PXE Boot Watchdog Remote power button	

Mechanical / Environmental	fit-PC Intense 3 i5 Barebone	fit-PC Intense 3 i7 Barebone
Supply Voltage	Unregulated 10 to 15 VDC input (nominal input voltage: 12 V)	
Power Consumption	6 W – 24 W (depending on system load)	
Operating Temperature	Commercial: 0 °C – 45 °C Extended (TE): -20 °C – 70 °C Industrial (TI): -40 °C – 70 °C	
Relative Humidity	10% to 90% (operation) 5% to 95% (storage)	

Mechanical / Environmental	fit-PC Intense 3 i5 Barebone	fit-PC Intense 3 i7 Barebone
Dimensions	190 mm x 160 mm x 40 mm 7.5" x 6.3" x 1.6"	
Weight	1015 g	
Material	Die cast aluminium	
Cooling	Passive cooling fanless design	

In the Box

- fit-PC Intense 3 computer
- Power Supply: input 100-240 VAC 50 / 60 Hz, 60 W output 12 VDC 5A, DC plug lock, North American AC cord
- Video HDMI to DVI adapter
- Audio 3.5 mm to RCA cable
- WiFi 2.4 GHz / 5 GHz band 2 antennas (in some models)
- Mini-serial to DB9-female adapter cable