

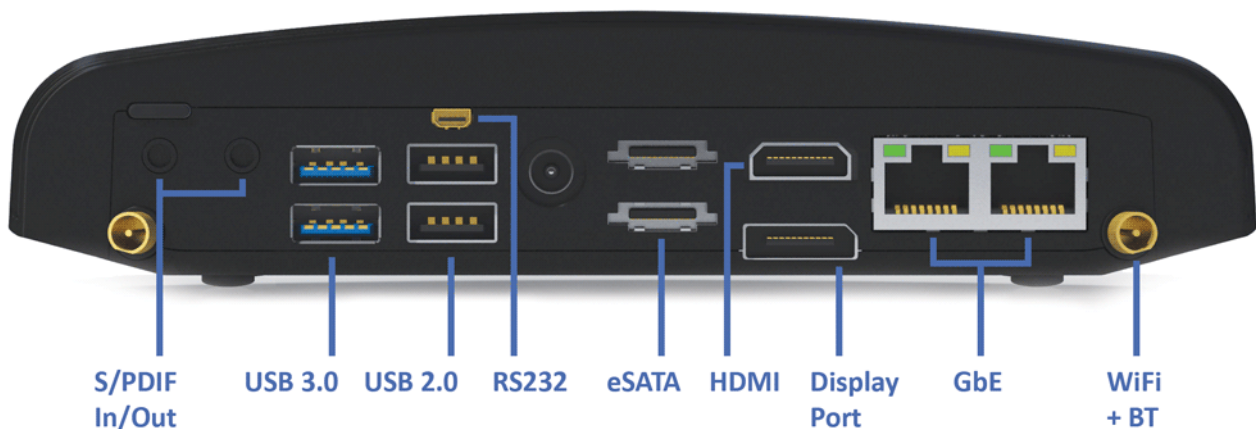
fit PC INTENSE



specifications

fit-PC Intense

Front Panel: FACE Module*



* FACE Module is available for fit-PC3 **LP** and **Pro** as well as fit-PC Intense **Value** and **Pro** Models Only

Overview

Intense PC is designed around the Intel Core CPU providing Dual-core 64 bit x86 CPU @ 1.1–1.9 GHz, with Intel HD Graphics GPU and is supplemented by up to 16 GB DDR3-1600 RAM.

With a 3rd Generation Intel Core CPU, Intense PC delivers blazing-fast performance – unprecedented for a miniature fanless system. Intense PC consumes under 10W when idle, yet for high workloads the two CPU cores provide up to 2.8 GHz of processing power with Intel® Turbo Boost Technology.

Out-of-the-box Intense PC provides a set of interfaces unmatched by any computer of a similar size including dual-head display HDMI + DisplayPort, Digital 7.1 S/PDIF audio, Dual Gigabit Ethernet, Wifi 802.11 b/g/n + Bluetooth combo, 2 USB 3.0 and 6 USB 2.0 ports, 2 eSATA, 2 mini-PCIe sockets + mSATA support, Serial RS232 and a 2.5" SATA HDD bay.

Intense PC is designed for fanless operation at the smallest possible form-factor using innovative thermal design and advanced power management technologies. Each part of the metal housing of Intense PC is 3D modelled and produced by die-casting for perfect fit. The streamlined design may be misleading – but Intense PC is one of the toughest computers on the market – easily withstanding industrial, automotive and outdoors installations, while all electronic components in Intense PC are embedded grade with long term availability and are RoHS compliant.

Specifications & Intense PC Models

System	Value	Pro
CPU	Intel 3rd Gen Celeron 1047UE (Ivy Bridge) 64-bit dual core @ 1.4 GHz	Intel 3rd Gen Core i7-3517-UE (Ivy Bridge) 64-bit dual core @ 1.7 GHz (turbo boost up to 2.8GHz)
Memory	2x SO-DIMM 204-pin DDR3L SDRAM memory slots Up to 16GB (2x 8GB) DDR3L-1600	
Storage	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 slot up to 3 Gbps (SATA 2.0)	
Supported OS	Windows XP/7/8, 32-bit and 64-bit Linux 32-bit and 64-bit Embedded OS	
FACE module	4x USB 2.0 FACE module supplied as standard, other modules available on request	

Display & Graphics	Value	Pro
GPU	Intel HD 2000 Graphics Dual display mode supported	Intel HD 4000 Graphics Dual display mode supported
Display	1x HDMI 1.4a up to 1920 x 1200 @ 60 Hz 1x DisplayPort 1.1a up to 2560 x 1600 @ 60 Hz	

Input / Output	Value	Pro
Audio Input	Analog stereo Microphone input- Digital S/PDIF input 3.5mm jack	
Audio Output	Analog stereo output - Digital 7.1+2 channels S/PDIF output 3.5mm jack	
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)	
USB	2x USB 3.0, 5 Gbps 6x USB 2.0, 480 Mbps (4 front via FACE Module, 2 rear)	
RS232	1x RS232 Serial communication port COM1: Serial Port (ultra mini serial)	1x RS232 Serial communication port COM1: Serial Port (via mini serial connector)
WiFi	WLAN 802.11 b/g/n (2.4/5GHz Qcom Q802XRN5B module)	
Bluetooth	Bluetooth 3.0 + HS	
Expansion	Half-size mini-PCIe socket Full-size mini-PCIe/mSATA socket (Shared with mSATA)	

Advanced Technologies	Value	Pro
vPRO	No	Yes (Intel vPRO Technology)
AMT	No	Yes (Intel Active Management Technology)
CPU Virtualization	Yes	
Special Functionality	Auto-On Wake-on-LAN Wake-on-Timer PXE Boot Watchdog	

Mechanical / Environmental	Value	Pro
Supply Voltage	Unregulated 10 to 15 volt DC input (nominal input voltage: 12V)	
Power Consumption	9W – 19W (depending on system load)	10W – 26W (depending on system load)
Operating Temperature	1. Commercial HDD models: 0°C – 50°C SSD models: 0°C – 70°C 2. Extended (TE) SSD models only: -20°C – 70°C 3. Industrial (TI) SSD models only: -40°C – 70°C	
Dimensions	190mm x 160mm x 40mm 7.5" x 6.3" x 1.6"	
Weight	1050g	



In the Box

- Intense PC computer
- Power Supply: input 100-240V AC 50/60Hz, 60W output 12V DC 5A, DC plug lock, attachable NA and EU plugs
- Video HDMI to DVI adapter
- Audio 3.5mm to RCA cable
- WiFi 2.4GHz band 2 antennas (in some models)
- Mini-serial to DB9-Female adapter cable