Embedded Box PCs

Syslogic commercial series

Industrial compact PC with Intel® Core™

preliminary

Power Supply
12 ... 24VDC

2x DP++

2x Gbit LAN

4x USB

Audio

image similar

IPC/COMPACTc6

This fan less COMPACTc6-ML generation is based on the 6th Generation Intel® Core™ i3, i5 and i7 processor technology and offers a wide range of interface options.
The robust and uncompromising industrial design allows the implementation in the most demanding applications and guarantees long term availability.

- **Multi-core 64-bit Intel® Core™ processor**
- **24/7 continuous operation**
- **No moving parts**
- **Product lifecycle management**
- **Long term availability**

Windows 10

Debian 8 - Jessie

CE

Product Highlights

Hardware Watchdog
Temperature supervision
Real time clock
ESD- protection on all interfaces
Windows IoT ready

Product Feature

Intel® Core™ i Series (6th Generation)
up to 2.6GHz, 2 Cores
up to 32GB RAM
DP++, Ethernet, USB3, RS232, Mini PCIe

Markets / Applications

Industrial Automation
Medical
Cleantech
Building Automation

Your partner for reliable embedded computer and display solutions.

Order Code	CPC/MITX6i3H-A101 [1]	CPC/MITX6i5H-A101 [1]	CPC/MITX6i7H-A101 [1]
Processor / Performance			
Intel i3-6100U up to 2.3 GHz 64-bit	•		
Intel i5-6300U up to 2.4 GHz 64-bit		•	
Intel i7-6600U up to 2.6 GHz 64-bit			•
Memory			
DDR4 2133MHz RAM	4GB	4GB	4GB
DDR4 2133MHz RAM up to 32GB	optional	optional	optional
Features			
Real time clock PC compatible	•	•	•
Multi Stage Watchdog	•	•	•
Battery backup	•	•	•
Communication Interfaces			
LVDS (2x24bit)	•	•	•
DisplayPort++	2	2	2
micro SD Card socket	1	1	1
M.2 Type B	1	1	1
SATA 3 interface standard [2] (can be configured as RAID)	2	2	2
USB version 2.0 [2]	4	4	4
USB version 3.0 (Type A)	4	4	4
Ethernet 10/100/1000 Mbit (i219 / i211-AT)	2	2	2
RS232 ESD protected (DSUB9)	up to 2	up to 2	up to 2
HD Audio	•	•	•
Technical Data			
Dimensions 204 x 180 x 57 mm (housing)	•	•	•
Net weight [gram]	~1500	~1500	~1500
Input voltage 12 ... 24VDC non-isolated	•	•	•
Current consumption typ. [mA] @ 24V without Add-Ins	tbd	tbd	tbd
Power consumption typ. [Watt] @ 24V without Add-Ins	tbd	tbd	tbd
Environmental Conditions			
Standard operating temperature (ambient) [3]	0°C ... +55°C	0°C ... +55°C	0°C ... +55°C
Storage temperature -20 ... +80° C	•	•	•
Protection standard	IP40	IP40	IP40
Shock: designed to meet EN60068-2-27	•	•	•
Vibration: designed to meet EN60068-2-6	•	•	•
EMC according to EN-55022/55024/61000-6-2/61000-6-4	•	•	•
Safety according to EN62368-1:2016	•	•	•
MTBF excluding battery	tbd	tbd	tbd
Optionalional enhancement cards			
Wireless Module (GSM/UMTS / GPS / WiFi) [1]	optional	optional	optional

[1] Please contact factory for minimum order quantities

[2] Internal connector

[3] Depending on installation situation and interface connection. Please see user documentation.

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