

# iSBX-6702-W6485E

4<sup>th</sup> Generation Intel® Core™ G4 Haswell i3/i5/i7 Processor based Embedded Box PC with 6x USB Ports/6x COM Ports/VGA/HDMI/Dual Gigabit LAN



## Introduction

iSBX-6702-W6485 is a Rugged Industrial Box Computer based on 4<sup>th</sup> Generation Intel® Core™ Haswell i3/i5/i7 Processor. Packed with up to 8GB of System memory, 6 COM ports, 6 USB Ports, mSATA for Solid State Storage, 2 SATA Ports for SSD or Hard disk. iSBX-6702-W6485 graphics are supported by Intel® integrated HD Graphic with VGA/HDMI connector at the rear. System Sound is powered by Realtek® ALC662 chipset. One Mini PCIe Expansion socket allows user to add WIFI/3G/Bluetooth modules to their applications.

iSBX-6702-W6485 is ideal for Industrial Automation, Digital Signage, Kiosk, ATM, Networking and rugged application that requires high performance.

## Specification

System	
Processor	BGA Intel® Core G4 Haswell Soc i3/i5/i7 processors Intel® Core™ i7-4500U Processor (4M Cache, up to 3.00 GHz) Intel® Core™ i5-4200U Processor (3M Cache, up to 2.60 GHz) Intel® Core™ i3-4100U Processor (3M Cache, 1.80 GHz)
BIOS	EFI BIOS
System Memory	One DDR3 1066/1333/1600MHz memory, SO-DIMM socket, maximum up to 8GB
Chipset	HASWELL-ULT
Video	Integrated Intel® HD Graphic card support VGA, HDMI, LVDS input
Ethernet	Dual RTL8111EL PCI-E Gigabit Ethernet LAN, support RTL/PXE diskless booting Support Wake-on-LAN
Internal I/O	4 x USB 2.0 expansion header 2 x CPU/SYS Chassis fan connectors 1 x Audio I/O expansion header 6 x COM expansion headers (support RS232/422/485) 1 x GPIO expansion header(8 bit) 1 x VGA expansion header 1 x Audio power amplifier connector 1 x SPDIF expansion header 1 x LPT expansion header 1 x Mini SATA socket for SSD; 1 x Mini-PCIE socket for WIFI/3G; 1 x SIM card slot for 3G
Rear I/O	1 x 9~36V - DC power Jack(3 PIN Connector) 1 x HDMI (Resolution maximum:1920 x 1200) 1 x VGA port (Resolution maximum: 2048x1536) 2 x USB 3.0 port 2 x 1000M RJ45 port 2 x Audio I/O interfaces (Line_out, Mic_in) 1 x GPIO Connector 4 x RS-232 9 pin Connector 1 x RS-485 2 pin (Tx, Rx)
Watchdog Timer	Programmable watchdog timer for 1~255 seconds.
Audio	Realtek® ALC662 high-definition audio chip on-board. Support Line-OUT, MIC_IN
Power	9~36 VDC Input
Cooling	One CPU cooling FAN connector nearby CPU socket One system fan connectors for system cooling
Mechanical & Environment	
Form Factor	236.88 x 165 x 70.5 mm
Operation temperature	-40°C~70°C (-40°F~158°F)
Storage temperature	-40°C~80°C (-40°F~176°F)
Relative humidity	10%~90% (non-condensing)

## FEATURES

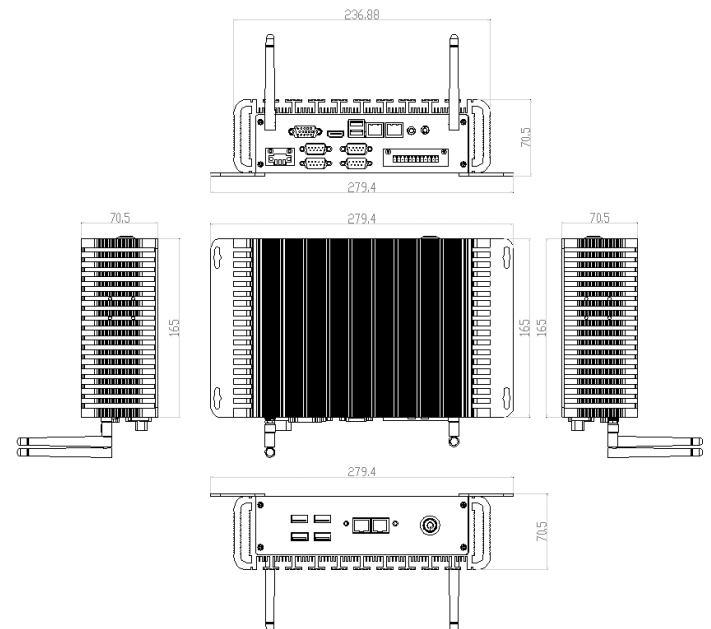
- 4<sup>th</sup> Generation Intel® Core™ G4 Haswell i3/i5/i7 processors
- Supports Low Powered Processors
- One 204-pin DDR3-1066/1333 SO-DIMM up to 8.0 GB . Support Non-ECC, unbuffered memory only
- Dual Realtek® RTL 8111E Gigabit Ethernet.
- Integrated Intel® HD Graphics with VGA/HDMI connectors
- Realtek® ALC662 High Definition Audio chip on-board
- Multi I/O: 6 x USB, 6 x COM ports, 2 x SATA
- Expansion Slot: 1 x Mini SATA socket for SSD, 1 x Mini-PCIE socket for WIFI/3G 1 x SIM card slot for 3G
- Power: 9~36V DC Input
- Wide Operating Temperature: -40~70°C

## Ordering Information

iSBX-6702-W6485E-i34100U	Intel® Core™ G4 Haswell i3-4100U Processor based Embedded Box PC with 6x USB Ports/6x COM Ports/VGA/HDMI/Dual Gigabit LAN/4GB RAM/500GB HDD
iSBX-6702-W6485E-i54200U	Intel® Core™ G4 Haswell i5-4200U Processor based Embedded Box PC with 6x USB Ports/6x COM Ports/VGA/HDMI/Dual Gigabit LAN/4GB RAM/500GB HDD
iSBX-6702-W6485E-i74500U	Intel® Core™ G4 Haswell i7-4500U Processor based Embedded Box PC with 6x USB Ports/6x COM Ports/VGA/HDMI/Dual Gigabit LAN/8GB RAM/500GB HDD



## Dimension



Please contact your Sales for more information on the WIFI, 3G/Bluetooth module solutions

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