

# SmartMOD

The high performance ultra-compact fanless embedded box PC



## Features

- Fanless system, aluminum alloy structure
- Wide-range DC voltage input: 9V~32V
- Support 6th Intel® Core™ processor, Skylake platform
- 6x GbE ethernet
- Multi-Display: 1x HDMI/VGA and 1x DP
- 2x Mini-PCIe with SIM socket (PCIe+USB+USIM), and 1x Mini-PCIe socket (PCIe+USB)
- 1x mSATA Socket, 1x 2.5" drive bay for HDD/SSD
- 4x RS-232/422/485, 2x RS-232
- 16-bit programmable GPIO x 1, 8-bit GPIO x 1 for 4DI +4 DO
- Dimension: 238 x 129 x 63.7mm (9.37" x 5.08" x 2.46")

## System

CPU	Intel® Celeron® 3955U (2.0 GHz Dual Core 2 MB Cache) 6th Gen. Intel® Core™ i7-6600U (2.6 GHz Dual Core Turbo Boost 3.4 GHz 4 MB Cache) 6th Gen. Intel® Core™ i5-6300U (2.4 GHz Dual Core Turbo Boost 3.0 GHz 3 MB Cache) 6th Gen. Intel® Core™ i3-6100U (2.3 GHz Dual Core 3 MB Cache)
Graphic	Intel® HD Graphics 520/ 510
Storage	1x SATA(22-pin) with 1x 2.5" drive bay 1x mSATA socket
Chipset	PCH-LP integrated
BIOS	AMI Aptio® UEFI 2.x firmware
System Memory	DDR4 2133 MHz SODIMM x 2, Up to 32GB
Watchdog	Multistage watchdog

## I/O

Display	1 x HDMI/VGA and 1 x DP
Audio	1 x Line-out, 1x MIC-in
USB	1 x USB 2.0 , 4 x USB 3.0/2.0
Serial	4 x RS-232/422/485, 2 x RS232
Ethernet	6 x 10/100/1000Mbps GbE
GPIO	16-bit programmable GPIO x 1 8-bit GPIO x 1 for 4DI+4DO

## Other

Smart Battery Management	ACPI 5 .0 compliant (reserve)
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## Expansion

Mini-PCIe	2x full length Mini-PCIe socket (PCIe +USB+USIM) 1x full length Mini-PCIe socket (PCIe +USB)
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## Environment & Mechanical

Power Supply	9V ~ 32Vdc
Temperature Operation	0°C ~+60°C,(32°F~140°F)

## Headquarter

10F-3, No.270, Sec.4,  
Chung Hsiao E.Rd.,  
Taipei, 10694, Taiwan

T +886 2 2751-7192  
E-mail: info@efco.com.tw

## EMEA

T +49-991-2009298-0  
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Note : All product specifications are subject to change without notice

# SmartMOD

Temperature Storage	-40 °C ~+85 °C,(40 °F~185 °F)
Humidity Operation	10%~90% (non-condensing)
Humidity Storage	5%~95% (non-condensing)
Dimension(W x D x H)	238 x129 x 63.7 mm (9.37" x 5.08" x 2.46")
<b>Certification &amp; Optional OS Installation</b>	
OS	Microsoft® Windows® 10 Microsoft® Windows® 8.1 Microsoft® Windows® 7 Linux Microsoft® Windows® embedded standard
Certification	CE / FCC class A

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Model	Description
<b>U6-561</b>	<p>U6-500 Fanless Box PC</p> <p>CPU: Intel® Celeron® 3955U (2x 2.0GHz, 2MB L2Cache, 15W)</p> <p>Memory: DDR4 2x SODIMM</p> <p>Front Side</p> <ul style="list-style-type: none"><li>• 1 x HDMI</li><li>• 1 x Display Port</li><li>• 1 x VGA</li><li>• 4 x USB 3.0/2.0</li><li>• 6 x 10/100/1000Mbps Ethernet</li><li>• 1 x GPIO (4/4bit)</li></ul> <p>Rear Side</p> <ul style="list-style-type: none"><li>• 1 x Audio (Line-out/ MIC-in)</li><li>• 1 x VHDCI (8 bit GPIO)</li><li>• 1 x (4 x RS-232/ 422/ 485, 2 x RS-232)</li><li>• 1 x power on/off button</li><li>• 9-32V Power input</li></ul> <p>Left Side</p> <ul style="list-style-type: none"><li>• 4 x Antenna holes (Left Side)</li></ul>
<b>U6-563</b>	<p>U6-500 Fanless Box PC</p> <p>CPU: Intel® Core™ i3-6100U (2x 2.3GHz, 3MB L2Cache, 15W)</p> <p>Memory: DDR4 2x SODIMM</p> <p>Front Side</p> <ul style="list-style-type: none"><li>• 1 x HDMI</li><li>• 1 x Display Port</li><li>• 1 x VGA</li><li>• 4 x USB 3.0/2.0</li><li>• 6 x 10/100/1000Mbps Ethernet</li><li>• 1 x GPIO (4/4bit)</li></ul> <p>Rear Side</p> <ul style="list-style-type: none"><li>• 1 x Audio (Line-out/ MIC-in)</li><li>• 1 x VHDCI (8 bit GPIO)</li><li>• 1 x (4 x RS-232/ 422/ 485, 2 x RS-232)</li><li>• 1 x power on/off button</li><li>• 9-32V Power input</li></ul> <p>Left Side</p> <ul style="list-style-type: none"><li>• 4 x Antenna holes (Left Side)</li></ul>

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<b>U6-567</b>	<p>U6-500 Fanless Box PC</p> <p>CPU: Intel® Core™ i7-6600U (2x 2.6/3.4GHz, 4MB L2Cache, 15W)</p> <p>Memory: DDR4 2x SODIMM</p> <p>Front Side</p> <ul style="list-style-type: none"><li>• 1 x HDMI</li><li>• 1 x Display Port</li><li>• 1 x VGA</li><li>• 4 x USB 3.0/2.0</li><li>• 6 x 10/100/1000Mbps Ethernet</li><li>• 1 x GPIO (4/4bit)</li></ul> <p>Rear Side</p> <ul style="list-style-type: none"><li>• 1 x Audio (Line-out/ MIC-in)</li><li>• 1 x VHDCI (8 bit GPIO)</li><li>• 1 x (4 x RS-232/ 422/ 485, 2 x RS-232)</li><li>• 1 x power on/off button</li><li>• 9-32V Power input</li></ul> <p>Left Side</p> <ul style="list-style-type: none"><li>• 4 x Antenna holes (Left Side)</li></ul>

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