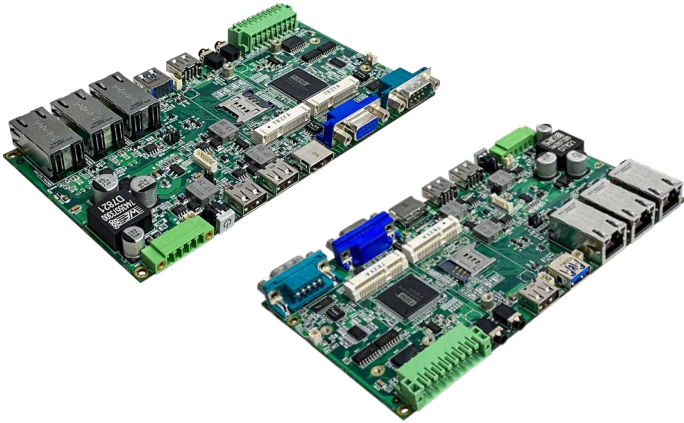


# Q728H/Q728HV

Qseven Carrier Board



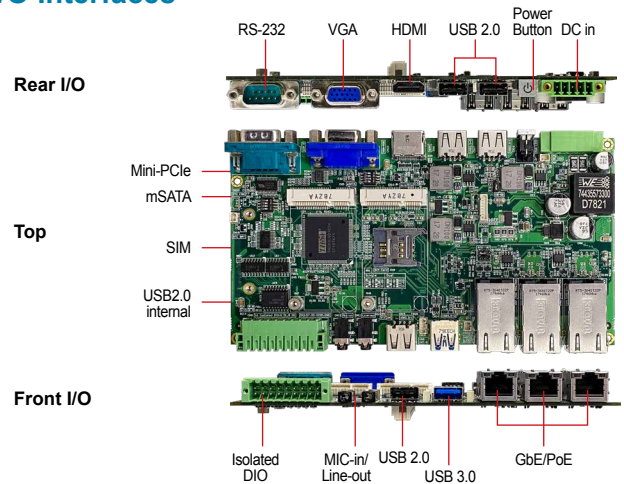
## Features

- Qseven Rev. 2.0 compliant
- Compact size: 175 x 95 mm
- Wide-Range DC voltage input: 9V~32V
- Dual display: 1x HDMI, 1x VGA
- 3x RJ45 GbE Ethernet with 802.3at PoE PSE
- 1x Mini-PCIe with USIM socket, 1x mSATA socket
- 1x USB 3.0/2.0, 3x USB 2.0, 1x USB 2.0 internal
- Isolated 8-bit DI & 8-bit DO
- 1x RS-232

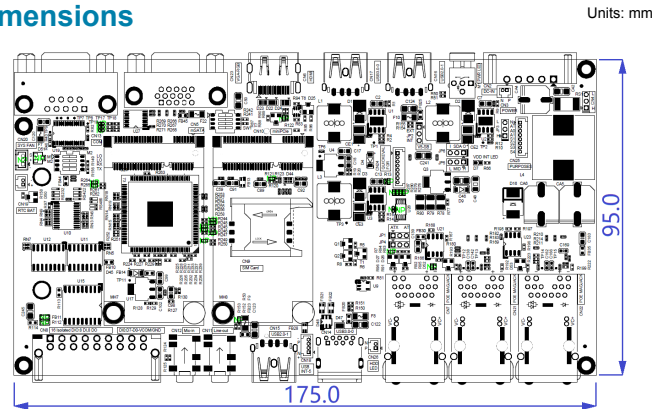
## Specifications

<b>CPU Module</b>	
<b>Qseven</b>	Qseven Rev. 2.0 compliant
<b>CPU</b>	x86 CPU
<b>Display</b>	
<b>HDMI</b>	1x HDMI
<b>VGA</b>	1x VGA optional (Q728HV)
<b>Storage</b>	
<b>SATA</b>	1x mSATA socket
<b>USIM</b>	1x USIM socket
<b>I/O Interface</b>	
<b>Ethernet</b>	3x RJ45 GbE with 802.3at PoE PSE (Q728H-3RP, Q728HV-3RP) 3x RJ45 GbE (Q728H-3R, Q728HV-3R)
<b>USB</b>	1x USB 3.0, 3x USB 2.0, 1x USB 2.0 internal
<b>Audio</b>	1x Line-out, 1x MIC-in
<b>UART (Serial Port)</b>	1x RS-232
<b>Digital I/O</b>	Isolated 8-bit DI & 8-bit DO
<b>Expansion</b>	
<b>Mini-PCIe</b>	1x Full-Length Mini-PCIe socket (PCIe + USB + USIM)
<b>Other</b>	
<b>Watchdog</b>	Multistage
<b>Smart Battery Management</b>	ACPI 5.0 compliant
<b>Power</b>	
<b>DC Input Voltage</b>	9V~32Vdc
<b>Operating System</b>	
<b>Windows/Linux</b>	Depends on Q7 CPU module
<b>Mechanical</b>	
<b>Dimensions</b>	175 x 95 mm
<b>Environment</b>	
<b>Operation Temperature</b>	-20°C ~ 70°C
<b>Storage Temperature</b>	-45°C ~ 85°C
<b>Operation Humidity</b>	10% to 90%, non-condensing
<b>Storage Humidity</b>	5% to 95%, non-condensing
<b>Certification</b>	
<b>Safety Certifications</b>	CE/FCC Class A

## I/O Interfaces



## Dimensions



## I/O Comparison Chart

Model Name	HDMI	VGA	GbE (RJ45)	GbE / PoE (RJ45)	DIO	USB 3.0	USB 2.0	RS-232	Mini-PCIe	mSATA
Q728H-3RP	1			3						
Q728H-3R	1		3							
Q728HV-3RP	1	1		3	8-bit isolated DI & 8-bit isolated DO	1	4	1	1	1
Q728HV-3R	1	1	3							

## Ordering Information

Model Name	Article Number (A/N)
Q728H-3RP Qseven Carrier Boards, 1x HDMI, 3x RJ45 GbE/PoE, 1x USB 3.0, 4x USB 2.0, 1x RS-232, Isolated 8-bit DI& 8-bit DO	7111-728300
Q728HV-3RP Qseven Carrier Boards, 1x HDMI, 1x VGA, 3x RJ45 GbE/PoE, 1x USB 3.0, 4x USB 2.0, 1x RS-232, Isolated 8-bit DI& 8-bit DO	7111-728400
Q728H-3R Qseven Carrier Boards, 1x HDMI, 3x RJ45 GbE, 1x USB 3.0, 4x USB 2.0, 1x RS-232, Isolated 8-bit DI& 8-bit DO	7111-728310
Q728HV-3R Qseven Carrier Boards, 1x HDMI, 1x VGA, 3x RJ45 GbE, 1x USB 3.0, 4x USB 2.0, 1x RS-232, Isolated 8-bit DI& 8-bit DO	7111-728410

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Note: All product specifications are subject to change without notice.