

TWB-5620

IP65 Waterproof Box Computer



Key Highlights

- 8th Gen. Intel Core i5-8265U Whiskey Lake Processor
- Full IP65 Waterproof / NEMA 4 Box PC
- Wide Operating Temperature 0°C to 50°C (Optional -20°C to 60°C)
- Ultra Compact, Aluminum Chassis with Fanless Design
- 9~36V DC Power Input with Isolation

[VIEW ONLINE](#)

The TWB-5620 is a fully waterproof, IP65 and NEMA 4 rated box computer with an Intel i5-8265U Whiskey Lake processor. This [waterproof embedded mini computer](#) is fully sealed, fanless, and has a rugged aluminum chassis, ideal for use in damp or dusty environments. The TWB-5620 includes an one M.2 slot for the solid state drive and one M.2 slot for expansion for WiFi and Bluetooth. This computer offers a variety of I/O ports including 2x LAN, 3x USB, 1x RS-232, and 1x HDMI as well as a 9~36VDC power input. The TWB-5620 can be used in a wide variety of applications that require a rugged and compact computer. **This product is now considered "Previous Generation" meaning it may or may not still be available for purchase. Call +1 800 870 7715 for details on this product or check out our full list of currently [available Waterproof Box PCs](#).**

USA

Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE

Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA

Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

Technical Specifications

Primary Components

Processor Family	Intel Core I series 8th Generation Whiskey Lake-U
Processor Model	Core i5-8265U
Processor Speed	1.6 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	M.2
Storage Support	32GB-1TB

Power

Input Voltage Range	9-36V DC
Max Power Consumption	50W

Compatibility

Security Hardware	TPM 2.0
-------------------	---------

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F - 122°F), -20°C - 60°C (Optional -4°F - 140°F)
Cooling Solution	Passive - Fanless
Humidity Range	10% - 95% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional WiFi
------	---------------

Warranty

Warranty	Up to 5 Years
----------	---------------

Specifications subject to change.

External I/O Ports

USB	3x USB 2.0
Serial / Com	1x COM
Serial Protocol Detail	1x RS-232, 1x extra RS-232 (Optional)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x HDMI
Other Ports	Optional GPIO
Audio Ports	1x Optional Audio Line-In, 1x Optional Audio Line-Out
Power Input Port	MI2 type 3-PIN DC-in

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro
---------	--------------------------------

Expansion Slots

Video Card Support	Intel HD Graphics 620
--------------------	-----------------------

Enclosure

Material	Aluminum
IP Rating	IP65
Color	Silver
Led Indicator Light	HDD Access, LAN, Power

Weight / Dimensions

Weight	3.2 kg (7.1 lbs)
Dimensions	260.4 x 168 x 50 mm (10.3 x 6.6 x 2.0 in)

USA

Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE

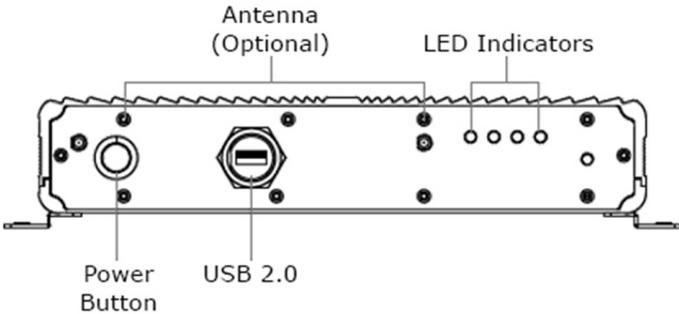
Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA

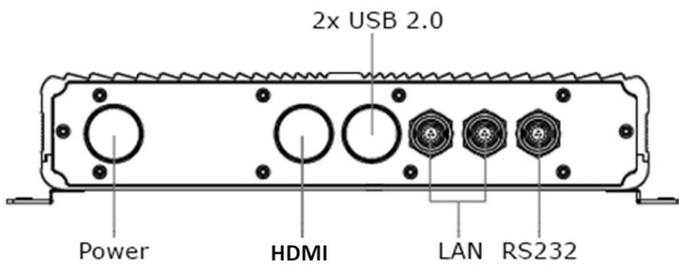
Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

I/O Diagram Images

Front Side



Rear Side



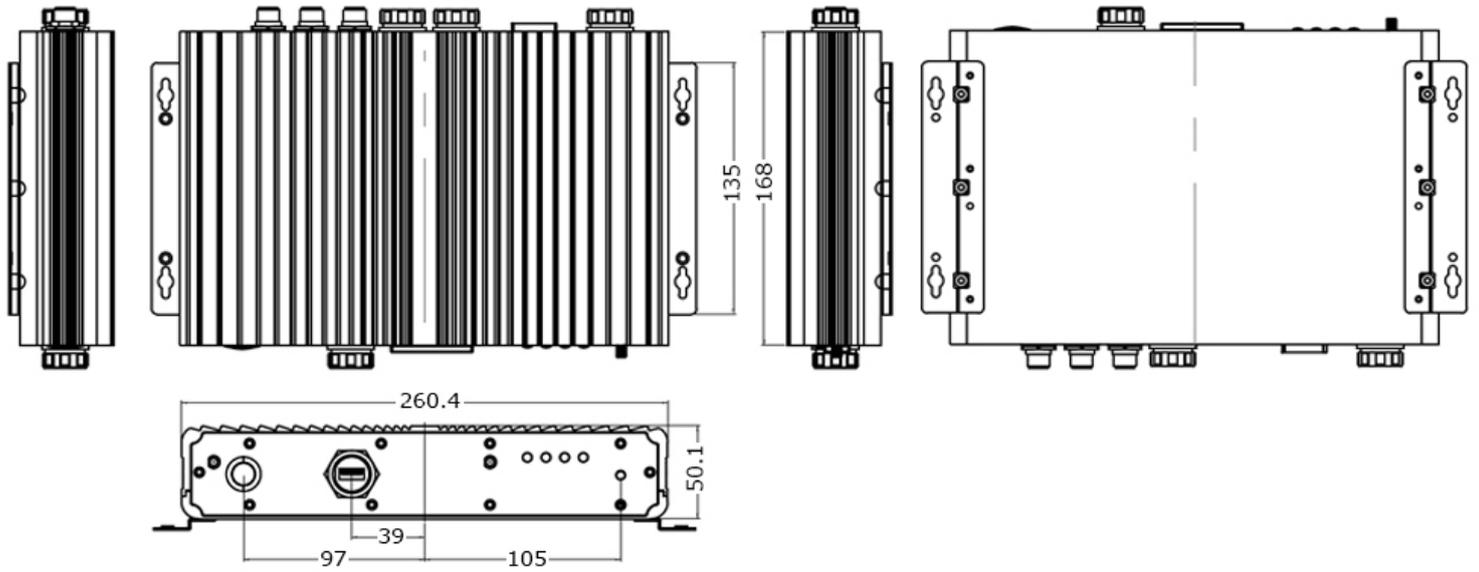
Optional:
GPIO
Extra RS232
Line-in / Line-out

USA
Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE
Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA
Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

Tech Diagram Images



USA

Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE

Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA

Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw