

DEFENSE

# Aqeri

# 81022

## Rugged micro Computer

Aqeri 81022 is a Rugged micro Computer in a very small form factor made for space critical applications. The compact rugged computer is suitable for all kinds of harsh military environments and is optimal for instance in combat vehicles, helicopters and UAVs.

Aqeri 81022 is so small it fits in just one hand! It doesn't compromise with power though, it comes with the 5th generation of Intel® i7 processor, Solid State drive and up to 16 GB memory.

Aqeri 81022 is fanless and as a standard the Aqeri field proven ASCC functions (Aqeri Supervisor and Climate Control) is implemented. The chassis is fully sealed for protection against dust and corrosive elements. Aqeri 81022 is designed to meet military standards such as MIL-STD-461E, MIL-STD-1275D and MIL-STD-810G.

Features:

- > Aqeri Micro Family Computer
- > Very small form factor for space critical applications
- > 5th generation Intel® Core i7 processor
- > Fanless



Front



Back

**TECHNICAL SPECIFICATIONS**

**Processor:** Intel i7-5650U 2.2 Ghz up to 3.2Ghz  
**Memory:** Up to 16Gb  
**Operating system:** Windows Linux  
**Storage:** Solid State (2.5" and/or MSATA)  
**Graphics:** Intel HD Graphics 6000  
**Watchdog Timer:** 1min/s - 255min/s

**I/O Interfaces**

**Gigabit Ethernet (Intel NIC):** x2  
**USB 2.0:** x2  
**USB 3.0:** x2  
**DVI-D:** x1  
**DC In:** x1

**CONNECTORS**

**Gigabit Ethernet (Intel NIC):** AMC  
**USB 2.0:** AMC  
**USB 3.0:** AMC  
**DVI-D:** AMC  
**DC In:** MS3106F 10SL-3S

**PHYSICAL CHARACTERISTICS**

**Dimensions:** 140 x 55 x 185mm (WxHxD)  
**Weight:** 2kg  
**Color:** Any

**ELECTRICAL SPECIFICATIONS**

**Power requirements:** 12-24VDC (9-36VDC)  
**Power consumption:** 20W

**ENVIRONMENTAL CHARACTERISTICS**

**Designed to fulfill  
 (Other standards on request):** MIL-STD-461E  
 MIL-STD-1275D  
 MIL-STD-810G  
 European CE  
**IP Protection:** IP65  
**Temperature Operating:** -20°C to +55°C  
**Vibration Operating:** Method 514.5 Army Vehicle  
**Shock Operating:** 40g, 11ms, ½ sine wave  
**Humidity:** 5% to 95% non condensing  
**Altitude Operating:** 4572m / 15000ft

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