

## Brick Computer

Brick Wearable Box computer Designed to your spec



User Specified Connectors  
- Type/Number



Shown with Optional Battery

**Argon** offers a mature rugged computing “brick” that is designed for fixed mounting, pocket, pouch or rug sack stowage for applications in very harsh physical environments and the need for mobile computing (i.e. laptops) is still too large of a platform. This unit or its variants provide a robust computing environment that can operate for extended periods of time on batteries or with a remote power source. Argon also provides a variety of Hand Held displays to complement this unit or it can be connected to a Helmet Mounted display.

The Argon computing Brick is light and compact, weighing just 1.8 lbs.

The Brick computer is a fully functional computer with a 1.2GHz (or higher) Intel Atom<sup>®</sup> processor, supporting a variety of operating systems. The unit can be supplied with or without batteries for portable applications. Up to two solid-state memory modules and 2GB RAM provides significant computing power on the go.

The unit is fully enclosed to prevent ingress of sand, dust, moisture and other particles. There are no fans used for cooling. The unit is convection cooled.

### Main Features:

Extremely small mechanical outline (6.76” x 4.5” x 1.4”), Fully enclosed

Low weight (1.8 lbs)

Fully customizable I/O

User can specify connector types and locations

Internal, rechargeable battery for continuous operation when ext batteries discharge

Built in real time frame grabber to capture live video (Option)



**Specification:**

<b>Overall Unit</b>	
Dimensions	5.15" x 4.5" x 1.4"
Weight	~1.8 lbs
Power Input	5 to 28vdc External Power or Internal Battery
Battery Life	Select for Power During Shutdown or Extended Run Time (3-5 hours)
Power Consumption	7 to 10 Watts Typical, Depending on Usage Profile
User Controls	On/Off Switch or Select as Needed
Chassis	Aluminum, Fully Enclosed
Connectors	User Selectable From a Range of Mil Circular (Preferred) or Other
<b>Computer</b>	
Processor/Chip Set	Intel Atom ® 1.4GHz or higher, US15W or 945xx Chipset (or Specify)
RAM	2GB DDR2
Storage	SSHD, Specify Size
OS	Windows, Linux
I/O	USB 2.0, RS232, Ethernet, Audio, Video, VGA Output, Specify Others
Wireless	WiFi 802.11g with Flush Mount Antenna
GPS	Commercial - Specify Antenna or Comes with Sealed SMA Connector
Other	Video Frame Grabber or Other Video Cards Upon Request
<b>Environmental</b>	
Operating Temp	-10°C to +55°C (-40°C Option)
Storage Temp	-40°C to +70°C
Shock	40g, 11msec min, Test to Application
Vibration	22grms min, Test to Application
EMI/EMC	Designed to Mil Std 461D, Test to Application
Altitude	20k ft Operating, 40k ft Non Operating
Salt Fog, Sand/Dust	Unit is 100% Enclosed, Resistant to Salt Fog, Fungus, No Fans
Humidity	Operating & Storage – 95% @40°C, Non-condensing