

7 Inch Rugged Panel PC

IQ-XX00-00 PRO Series

Introduction:

The Olmec **IQ-0709-00 PRO** is a 7" Panel PC powered by the Intel® processor, delivers a reliable, durable and versatile platform for Rugged & Industrial application environments. The PC is a compact yet has a powerful computing capability ideal for space-constrained environments. With its sleek design and high-resolution display, it offers seamless integration for various applications.

The IQ-0709-00 PRO Series panel computers are fanless highly efficient heat dissipation systems designed for wide Temperature operations, -30 to 70°C and high resilience to Shock & Vibration. This makes the IQ-0709-00 PRO Series one of the most reliable rugged platforms for harsh indoor & outdoor environments. The IQ-0709-00 PRO also features up to 1000-nit LCD panel offering a sunlight-readable, projected-capacitive multi-touch screen, providing an excellent user experience for outdoor applications.



Key Features:

- ❖ Sleek Aluminum Panel Design for a Slim and Elegant Look
- ❖ IP65 front panel design
- ❖ MIL-STD-810G Compliant
- ❖ Altitude: 6000 Meters
- ❖ Available in 7", 10" & 15" Panel Sizes
- ❖ Low Power Consumption
- ❖ Capacitive Touchscreen
- ❖ Fan less Design for Quiet and Efficient Operation
- ❖ Optional VESA Mount or Panel Mount for Flexible Installation Options
- ❖ Includes Stylus for Enhanced Touchscreen Interaction

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Specifications:

CPU	Intel Celeron Quad Core J1900 2.0GHz, up to 2.3GHz (Optional)	
Chipset	Intel SOC	
System Memory	1*DDR3L 1333MHz SODIMM, Max 8 GB	
Storage	1*mSATA	
Display	7 Inch, 1024*600 IPS LCD, 1000 Nits, Sun-Readable, 1000:1 Contrast Ratio, 16.7M colors	
Touch	Projective Capacitive Touch, USB Control (Optional: 5-wire resistive touch)	
Expansion	1*Mini PCIe full size with PCIE & USB signal; 1*mSATA full size	
Real I/O	4*COM: 2*RS232, 2*RS232/422/485, DB9 connector. 2*USB3.0 Type, 2*USB2.0 Type A 1*HDMI 2*RJ45	
LAN	Intel I211AT controller, 10/100/1000Mbps	
Audio	Realtek ALC282 Audio codec integrated, 2*2 W speaker inside	
Control SW	1*Power Button	
Power Supply	DC: 9-24V input,	
OS	Windows 7/8.1/10, Linux	
Construction	Aluminium die casting front bezel and chassis, fin shaped radiator shell	
Operating Temperature	-30 to 70°C	
Storage Temperature	-40 to 85°C	
Storage Humidity	10-95%@ 40°C, non-condensing	
Shock & Vibration	MIL-STD-810G Compliant	
Altitude	6000 meters	
Mounting	Panel Mounting, VESA 75*75mm	
Net Weight	1.65Kg	
EMC	CE, FCC Class A	
Resolution	1024*600	
Color	16.7M colors	
Brightness	1000 cd/m2	
Viewing Angle	85 Degree(left), 85 Degree(right), 85 Degree(up), 85 Degree(down)	
Backlight Lifetime	15000 Hours(S00x), 50000Hours(T00x)	
Touch Panel Specifications		
Type	Projected capacitive touch	5 wire resistive touch
Resolution	Gapless	Gapless
Light Transmittance	90%	83%
Interface	USB	USB
Consumption	+5V @ 300mA	+5V @ 200mA
OS	Windows, Linux	Windows, Linux
Click Lifetime	3 billion times	15 million times