

# MoJO™ Touchscreen Panel PC

Finally! Flexible panel PC design for your embedded systems initiative



## Feature Highlights

- Dual microcontroller card with abundant programmable digital I/Os and power switches (development kit included)
- 15" or 19" touchscreen display configurations
- Rugged laptop hard drive
- Powerful support for video and other media needs
- PCMCIA and CompactFlash slots
- Built-in battery backup
- Built-in thermal management
- Smart status indicator design for easy front or back access

The MoJO™ Touchscreen Panel PC is a complete solution that redefines the notion of a panel PC. Compact and lightweight, it dramatically reduces parts lists and assembly efforts. But the real secret is its flexible architecture. MoJO lets you quickly and easily create custom applications for your kiosk, industrial or other initiatives.

### Way more than a panel PC

MoJO goes beyond the basic motherboard, touchscreen, power supply and LCD monitor. It boasts two microcontrollers: one for the heavy I/O processing, one for your custom code.

### Massively configurable

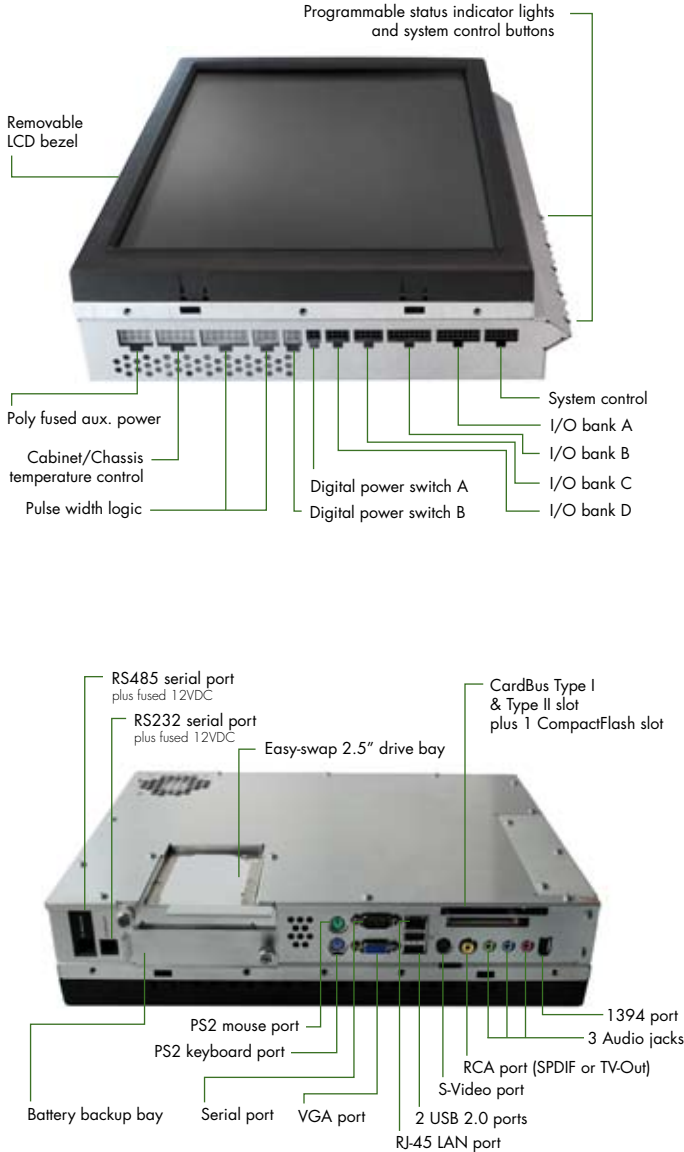
MoJO's dual microcontroller controller board provides abundant programmable digital I/Os and power switches. To get you up and running quickly, MoJO comes with a controller board development kit that includes a library of functionality and samples – all the hard programming is already done.

### Fully integrated touch-based embedded system component

Functional, elegant and cost-effective, MoJO takes care of the hardware engineering so you can focus on applications.

# MoJO™

## Touchscreen Panel PC



PANEL	
Configurations	15-inch or 19-inch display configurations
Enclosure	Lightweight aluminum with alodine coating
DISPLAY	
LCD	15-inch / 19-inch AU Optronics XGA TFT-LCD 1024 x 768 High contrast (500:1) anti-glare Wide viewing angle (H:140 V:120) High speed response (12 ms) 24-bit LVDS Interface
Touchscreen	Atouch SAW 6 MM vandal-resistant tempered glass Chemical resistant Greater than 50 million touch life in one spot Meets UL-1950 Steel Ball Drop Test (1 pound steel ball from 4 feet)
SYSTEM	
OS Support	Windows XP Embedded or Linux
Video	24-bit LVDS primary video (internal connection) VGA / S-Video / RCA secondary video (external connection)
Hard Drive	Easy-swap 2.5" drive bay
Mainboard	VIA EPIA MIII 2000G Other mainboard options are available
• Processor	VIA C3™ / VIA Eden™ EBGA processor
• Chipset	VIA CLE266 North Bridge VIA VT8235M South Bridge
• Memory	1 DDR266 DIMM socket Up to 1GB memory size
• VGA	Integrated VIA Unichrome AGP graphics with MPEG-2 accelerator
• Expansion Slots	1 PCI
• Back Panel I/O	1 CardBus Type I and Type II slot + 1 CompactFlash slot 1 CompactFlash slot 1 RJ-45 LAN port 1 PS2 mouse port 1 PS2 keyboard port 1 Serial port 2 USB 2.0 ports 1 VGA port 1 RCA port (SPDIF or TV-Out) 1 S-Video port 1 1394 port
• Onboard I/O	3 audio jacks: line-out, line-in and mic-in (Smart 5.1 support) 2 X UltraDMA 133/100/66 connector VIA VT6103 10/100 Base-T Ethernet PHY VIA VT1616 6 channel AC' 97 codec VIA VT1622AM TV Out VIA VT6307S IEEE 1394 (Optional) Cardbus Type I and Type II Ricoh R5C476 II / R5C485 CardBus controller
PROGRAMMABLE CONTROLLER BOARD	
Programmable digital inputs/outputs	1x Opto-Isolated Logic input 1x Opto-Isolated Logic output 35x Digital inputs 22x Digital outputs 8x Digital Input/Outputs
Programmable power switches	4x 5VDC-12VDC @1A
Programmable pulse width logic	7x Programmable inputs
Cabinet/chassis temperature control	Integrated cabinet/chassis cooling logic
Auxillary power	2x Cabinet temperature control circuits 2x 5VDC Poly Fuse protected 2x 12VDC Poly Fuse protected
POWER	
Power Supply	Server Grade power supply
UPS	Built-in momentary battery backup
MECHANICAL	
Weight	12.9 pounds - 15-inch display configuration 14.9 pounds - 19-inch display configuration
Dimension (with LCD bezel)	353 mm [W] x 290 mm [H] x 80 mm [D]

built & distributed by  
**ARROW**

To learn more about this massively configurable Touchscreen Panel PC, call or email Arrow OCS and ask about "finding the MoJO."

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