

MDC-355

15" High Bright Touchscreen

The **MDC-355** High Bright Touchscreen Panel PCs are powerful solutions for industrial processing and multimedia applications that require day light viewability. The modular design allows the touchscreen to be attached or separated from the main computer housing, allowing for greater integration into your enclosure. The rugged construction and quality workmanship of this panel PC ensures reliability even in the most demanding of environments. The **MDC-355** is ideal for advertising, automation, industrial, interactive kiosks, advanced game machines, point-of-information terminals and other high-performance industrial and multimedia applications.



- 15" High Bright (1800 nits) TFT LCD
- Intel Pentium III Processor up to 1.4 GHz
- 2x SDRAM slots for up to 512 MB RAM
- Intel 815E AGP 4X graphics
- Integrated 10/100 network and AC'97 audio
- Analog Resistive touchscreen
- Modular dual-box design for flexibility

Specifications

Construction:
Steel frame construction w/EMC approved

Processor:
Socket 370, supports Intel Pentium III up to 1.4 GHz

Chipset:
Intel 815EP

System Memory:
2x SDRAM DIMM Slots (up to 512 MB)

Graphics:
815E Integrated VGA, AGP 4X

HDD:
1x 2.5" HDD bay
1x Disk-on-Module header

Network (LAN):
10/100 Base-T Fast Ethernet interface

I/O ports:
4 DB-9 RS-232 serial ports (COM3 reserved for touchscreen)
1 DB-25 parallel port
4 USB ports
1 RJ45 LAN port
1 DB-15 VGA port
2 PCMCIA (PC Card/Cardbus) Type II
Mouse and keyboard ports, PS/2 type
Mic-in, Line-in, Line-out, Game port

Audio:
AC'97 Audio CODEC

Bus Expansion:
Optional Expansion provide 2 PCI slots, CD/DVD bay, FDD bay

Thermal Management:
1 system fan / 2 power supply fans / 1 CPU cooler

Power Management:
APM/ACPI 1.2 Compliant

Warranty

12-months, return to factory

Power Supply

Output rating: 150 W
Input: 100-240 Vac, 50-60 Hz, 4/2 A
Output: +3.3V/10A, +5V/14A, +12V/4.5A
+5Vsb/2A, -5V/0.3A, -12V/0.8A
MTBF: 50,000 hours
EMI/EMS: Meets FCC Class B, CE
Safety: Meets UL, CSA

Touchscreen

5-Wire Analog Resistive
Resolution: Continuous
Light transmission: 75%
Interface: RS-232
Power consumption: +5V @ 200 mA
Durability: 30 million touches

LCD Display Module

Display type: TFT Color LCD
Size (Diagonal): 15 inches (381 mm)
Max. Resolution: 1024 x 768 (XGA)
Color depth: 6-bit, 262,144 colors
Luminance, white: 1800 cd/m²
Viewing angle: L/R: 60° / 60°
U/D: 60° / 60°
Pixel Pitch (mm): 0.297 x 0.297
Power Consumption: Total 9.1 Watt (typ.)
Display Operating Mode: Transmissive Mode
Surface Treatments: Hard Coat (3H), Anti-glare
Operating Temperature: 0° ~ 50° C
VR controls: Brightness
LCD MTBF: 30,000 hrs.
Backlight MTBF: 25,000 hrs.

Environmental

Operating Temperature: 0° to 45°C, 10 to 90% RH
Storage Temperature: -20° to 75°C, 10 to 95% RH
EMI/EMS: Meets FCC Class B, CE
Safety: Meets UL/CSA/CE

Dimensions

Computer module:
395 x 255 x 48 (mm), (15.55" x 10.04" x 1.89")
LCD display module:
425.45 x 318 x 44 (mm), (16.75" x 12.52" x 1.73")
Expansion Module:
395 x 201.6 x 30.5 (mm), (15.55" x 7.94" x 1.20")
Net Weight:
20 lbs. +/- 1 lbs. (Without HDD/Expansion Module)

Options

Front bezel: NEMA 4 (black paint) or NEMA 4X (stainless-steel)
Processor type/speed, and Memory size
Hard drive and/or Flash drive (Disk-On-Module)
Operating system (Microsoft Windows 2000 or XP Home/Pro)
Extension cable kit for display/touchscreen, 1.5m (5 ft.)
Expansion Module (2 PCI slots, CD/DVD bay, FDD bay)



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