

MIC-D1204

12.1" Rugged Display with EMI Mesh, Optical Bonding, and UV Coating

Features

- 12.1" LCD Size
- 1280 x 800 Resolution
- 1000 nits Brightness
- -30 °C to +80°C Operating Temperature
- EMI Mesh, Optical Bonding
- UV Coating
- AD Board with DVI & VGA, 12VDC Input

Appearance





MIC-D1204

12.1" Rugged Display with EMI Mesh, Optical Bonding, and UV Coating

Revision Table

Date	Revision	Content	By
2025/12/2	0.1	First Draft	Zoe You

ACT POWER TAIWAN
Preliminary

MIC-D1204

12.1" Rugged Display with EMI Mesh, Optical Bonding, and UV Coating

Specification

LCD Panel	
LCD Size	12.1-inch LCD
Backlight	LED
Resolution	1280 x 800
No. of Colours	16.7M
View Angle	± 80° (H), ±80° (V)
Luminance	1000 nits
Contrast Ratio	1000:1
Pixel Pitch	0.204(H) x 0.204(V) mm
Aspect Ratio	16:10
LCD Panel Life Time	50,000 Hrs
Interface	LVDS
Response Time	16ms
Active Area	261.12(W) x 163.20(H) mm
EMI Mesh	Yes
Optical Bonding	Yes
Surface Treatment	UV Coating
AD Board	
Power Input	12VDC
I/O	1x DVI, 1x VGA

MIC-D1204

12.1" Rugged Display with EMI Mesh, Optical Bonding, and UV Coating

Environment Compliance

Operating Temp.	-30°C to +80°C
Storage Temp.	-30°C to +80°C
Humidity	40°C, 90%RH, Non-Condensing
Shock	Design to Meet MIL-STD-810G
Vibration	Design to Meet MIL-STD-810G
EMI/EMC	Design to Meet MIL-STD461E/F

Environmental performance may vary according to the integration method or final integration scenario.

Deliverables

1	12.1" Rugged Display with EMI Mesh, Optical Bonding, and UV Coating
2	AD Board (1xDVI, 1xVGA)
3	LVDS Cable
4	OSD Keyboard & Cable
5	LED Controller Board & Cable

Ordering Information

Model Name	Description	Unit
MIC-D1204	12.1" Rugged Display with EMI Mesh, Optical Bonding, and UV Coating	1

Disclaimer

This datasheet is for informational purposes only and does not constitute professional advice, a contractual obligation, or a guarantee of any kind. While efforts have been made to ensure accuracy, ACT POWER TAIWAN makes no representations or warranties, express or implied, regarding its completeness or reliability. ACT POWER TAIWAN reserves the right to update, modify, or withdraw this document at any time without prior notice. Users should verify the suitability of the product for their specific application through independent testing and validation. ACT POWER TAIWAN shall not be liable for any direct, indirect, or consequential damages arising from the use of this document. This document is governed by the laws of Taiwan, and any disputes shall be subject to the exclusive jurisdiction of the Taiwan courts.