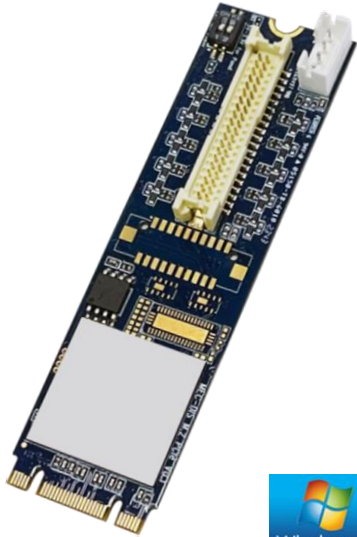
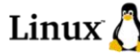


MEC-DIS-271L

M.2 2280 (B+M key) LVDS output display board



- Dual-Lane (x2) PCI-Express with throughput to 5.0/2.5 GT/s
- Fully compliant with PCI-Express Base Specification Rev.2.0
- Support 24 or 48 bit LVDS Channel
- Built in 256MB DDR3 memory
- 128-bit high performance graphics engine
- LVDS display resolution up to 1920x1080@60Hz
- Support 3.3V or 5V panel power select by switch setting



Overview

MEC-DIS-271L is a LVDS output display card for embedded PC. The card follows the M.2 standard which is compliant with PCI Express x 2 classification and M.2 form factor. This board fits in any host computer that has M.2 slots.

Top Performance

MEC-DIS-271L supports display output of 24 or 48bit LVDS channel and resolution up to 1920x1080@60Hz. MEC-DIS-271L allows configurations to have single or dual display mode without hardware customization. MEC-DIS-271L provides the most cost-effective and fastest time-to-market solution for applications that require dual display devices.

High Usability

MEC-DIS-271L is designed with flexibilities for many different applications. The accessory (power input cable) is included in the standard package.

Specifications

General

PCI-Express Revision:

PCI-Express Base Specification Rev. 2.0

PCI-Express Electromechanical Revision:

PCI-Express M.2 Electromechanical Rev. 1.1

Power Requirement

Power Consumption: 850mA@3.3V

Dimensions

Width x Length (mm): 22.00 x 80.00

Hardware

Controllers: SMI SM768

Bus: Dual-Lane (x2) PCI-Express with throughput up to 5.0/2.5 GT/s

Interface (Connector)

LVDS: X1(Single/Dual Channel LVDS)

Performance

LVDS Resolution: 24/48bit LVDS

Driver Support

Operating Systems: Win 7, Win 10, Linux

Reliability

Warranty: 3 years

MTBF: >20,161,919

Environmental Limits

Operating Temperature:

MEC-DIS-271LS : 0°C ~ 70°C

MEC-DIS-271LW : -40°C ~ 85°C

Storage Temperature: -40°C ~ 95°C

Humidity (non-condensing): 5% ~ 95%

Regulatory Approvals

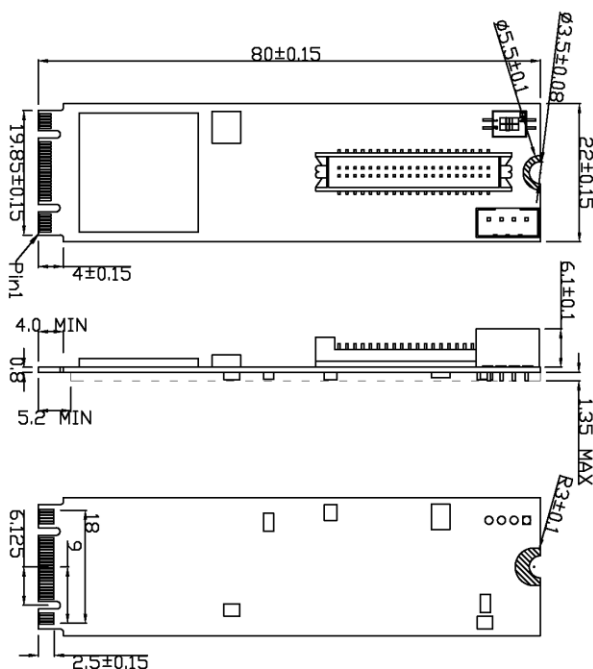
EMC: CE, FCC, UKCA

EMI: EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, Class B

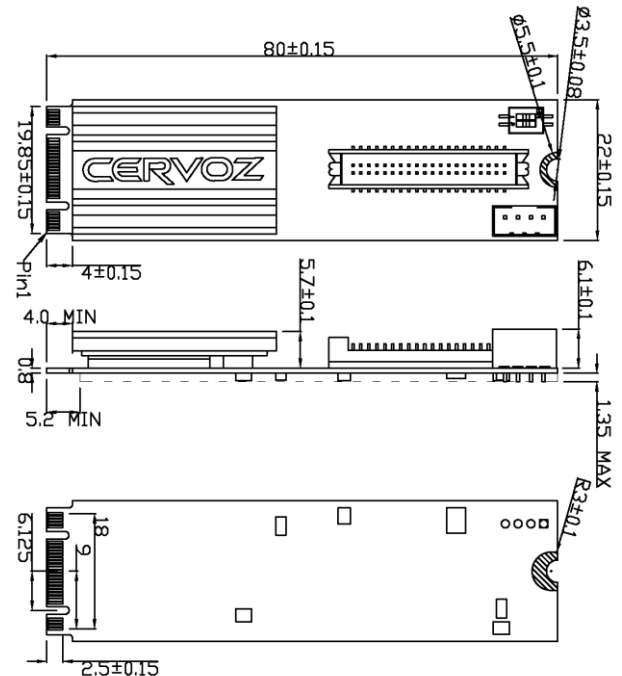
EMS: EN 55035, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

Dimensions

MEC-DIS-271LS



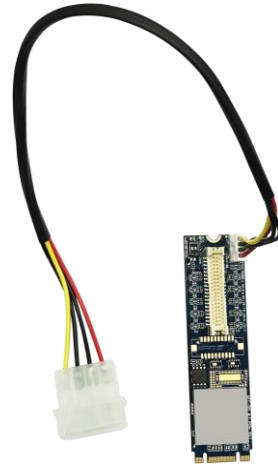
MEC-DIS-271LW



Package Checklist

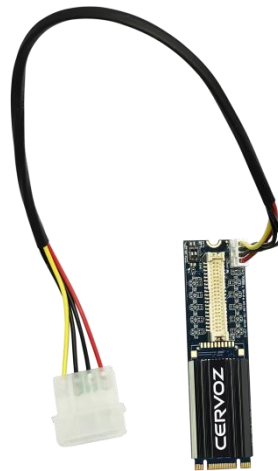
MEC-DIS-271LS

- M.2 2280 Card x 1
- 4Pin Power Input Cable (30cm) x 1
- Quick Installation Guide (Printed) x 1



MEC-DIS-271LW

- M.2 2280 Card (with Heatsink) x 1
- 4Pin Power Input Cable (30cm) x 1
- Quick Installation Guide (Printed) x 1



Ordering Information

Available Models

MEC-DIS-271LS

M.2 2280 LVDS output display board (0°C ~+70°C)

MEC-DIS-271LW

M.2 2280 LVDS output display board (-40°C ~+85°C)