

NEC LED-FE009i2

0.9 mm Indoor FinePitch LED Module

Datasheet



Enhanced detail and realism

Adding a super-fine pixel pitch option to the FE Series, NEC's LED FE009i2 modules and bundles offer excellent visual performance and high information density. Configure an ultra-high-resolution canvas at a screen size of just 165", ideal for meeting rooms and signage applications, even where viewing distances are short.

By using an innovative 4-in-1 IMD diode design, reality-like image presentation at high resolution and detail can be achieved without interruption from bezels or gaps, delivering excellent viewing angles, consistent vibrant colours and superb brightness.

NEC's FE Series provides long-lasting NEC quality with industrial-grade power supplies in easy to install, off the shelf bundle solutions for safe operation and minimal downtimes.

Benefits

Ultimate Versatility - small 16:9 modules allowing excellent flexibility within the available space.

Front serviceable modules - with front access to the LED modules, maintenance is easy.

Large scale for perfectly detailed imagery - completely bezel-less design with high contrast rates deliver an unhindered viewing experience.

Slim design - with a flush rear profile, LED modules can be integrated very close to the wall with minimal gap necessary due to very low heat emission.

Visual excellence - high contrast and high brightness is inherent in LED delivery, benefit from NEC's long lasting quality.

Product Information

| | |
|---------------|------------------------------------|
| Product Name | NEC LED-FE009i2 |
| Product Group | 0.9 mm Indoor FinePitch LED Module |
| Order Code | 81000139 |

Display

| | |
|--|-------------------------------|
| Pixel Configuration | 4-in-1 IMD (Black) |
| LED type | IMD (1616) |
| Pixel Pitch [mm] | 0.9 |
| Brightness (max.) [cd/m ²] | 600 |
| Lifetime | 100000 hrs (50% brightness) |
| Contrast Ratio (typ.) | 5000:1 |
| Viewing Angle [°] | 140 horizontal / 140 vertical |
| Dimming Capability | 256 levels |
| Colour Processing | 16 bit |
| Colours [Trill.] | 281 |
| LED Driving Method | 1/46 dynamic scan |
| Frame Rate [Hz] | 50/60 |
| Refresh Rate [Hz] | ≤ 3840 |
| Colour Temperature [K] | 3000 - 9500 |

Screen Resolution

| | |
|----------------------------------|-----------|
| Resolution per m ² | 1108033 |
| Number of Pixel per module [dot] | 640 x 360 |
| Number of Pixel per card [dot] | 160 x 180 |

Electrical

| | |
|----------------------------|-------------------------------------|
| Power Consumption typ. [W] | 380 per m ² (normal use) |
| Power Consumption max. [W] | 720 per m ² |

Environmental Conditions

| | |
|----------------------------|-----------|
| Operating Temperature [°C] | -20 to 40 |
| Operating Humidity [%] | 10 to 80 |

Mechanical

| | |
|--|----------------|
| Dimensions (W x H x D) [mm] per module | 608 x 342 x 49 |
| Weight [kg] | 8.8 |

Additional Features

| | |
|-------------------------|---|
| Special Characteristics | Cableless Connector for Data and Power; Flush Surface SMD Design; Humidity-proof SMD Design; Single Data Receiving Cards; Single Power Supplies |
| Manufacturer | NEC |
| Serviceability | Front Service |
| IP Level | IP20 |
| Certifications | CE; ETL; FCC Class A; RoHS |
| Warranty | 3 years |

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