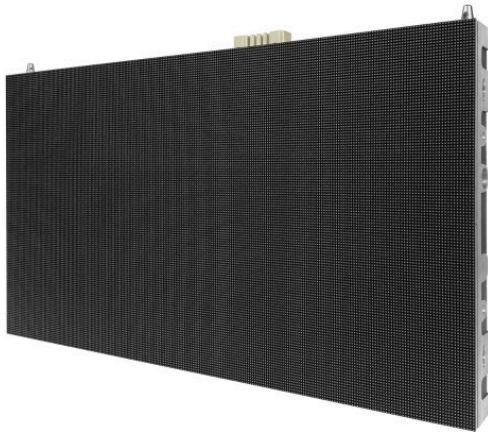


**NEC LED-FE012i2-E**

1.2 mm Indoor FinePitch LED Module

## Datasheet



### Essential modules of brilliance

For bezel-free viewing experiences using vivid LED technology, NEC's FE Series delivers essential visualization for scalable large digital surfaces. Even for cost-conscious deployments for presentation and signage, 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 with minimised downtimes.

Either free standing or for seamless integration into interiors, the slim design is sleek and chic as befits the latest innovation in digital content delivery. Benefit from excellent viewing angles, consistent vibrant colours, superb brightness and long lasting performance for meeting rooms and signage applications.

## 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.

Product Information

|               |                                    |
|---------------|------------------------------------|
| Product Name  | NEC LED-FE012i2-E                  |
| Product Group | 1.2 mm Indoor FinePitch LED Module |
| Order Code    | 81000224                           |

Display

|                           |                               |
|---------------------------|-------------------------------|
| Pixel Configuration       | 3-in-1 SMD (Black)            |
| LED type                  | SMD (1010)                    |
| Pixel Pitch [mm]          | 1.2                           |
| Brightness (max.) [cd/m²] | 600                           |
| Lifetime                  | 100000 hrs (50% brightness)   |
| Contrast Ratio (typ.)     | 4000:1                        |
| Viewing Angle [°]         | 160 horizontal / 160 vertical |
| Dimming Capability        | 256 levels                    |
| Colour Processing         | 16 bit                        |
| Colours [Trill.]          | 281                           |
| LED Driving Method        | 1/27 dynamic scan             |
| Frame Rate [Hz]           | 50/60                         |
| Refresh Rate [Hz]         | ≤ 3840                        |
| Colour Temperature [K]    | 3000 - 9500                   |

Screen Resolution

|                                  |           |
|----------------------------------|-----------|
| Resolution per m²                | 623269    |
| Number of Pixel per module [dot] | 480 x 270 |
| Number of Pixel per card [dot]   | 120 x 135 |

Electrical

|                            |                         |
|----------------------------|-------------------------|
| Power Consumption typ. [W] | 315 per m² (normal use) |
| Power Consumption max. [W] | 600 per m²              |

Environmental Conditions

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

Mechanical

|   |                |
|---|----------------|
| Dimensions (W x H x D) [mm]<br>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; Single Data Receiving Cards; Single Power Supplies |
| Manufacturer            | NEC  |
| Serviceability          | Front Service  |
| IP Level                | IP20   |
| Certifications          | CE; ETL; FCC Class A; RoHS   |
| Warranty                | 2 years  |

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