

Outdoor P10 SMD LED Module Panel Display



LEDtronics LED-P10-HX SMD LED Module Panel series offer high-definition video quality with a 10mm visual resolution. Suitable for outdoor applications and is your ideal out-of-home digital display solution for delivering corporate communications, enhance company's reputation and their brand names.

LEDtronics LED Module Panel is the essential component and element of a high quality, robust and reliable outdoor LED digital display. LEDtronics chooses only the best quality components such as FR4 double layer PCB board, solid quality capacitors, high tolerance resistors and selected light emitting diode chips with machine-controlled wavelength for the best signal stability and light emission capability. Each and every single PCB module were tested for minimum of 72 hours of aging test to minimize the product defects.

LEDtronics is a leading LED display specialist in Malaysia. Every day, many Malaysia's respected brands, small businesses, non-profits, government institutions, universities, shopping malls, media owners and a whole lot more depend on LEDtronics for their visual communication and digital display solutions.

Efficient, effective and reliable. Since 1997.

Product Features

SMD (3-in-1) LED Packages

Red, green and blue LEDs are blended within a single package to reduce the necessary viewing distance.

High-Density Layout

With higher resolution of the number of full-color pixels within a screen area hence delivers true full-color lines and columns across the display.

Weather Resistant Design

P10 SMD modules boast an IP-65 environmental rating to protect against wind-driven rain and dust.

Advanced Signal Processing

LEDtronics on-chip 14-bit signal processing power provides 16,384 shades for each colour of light emission diodes.

Double Layer PCB

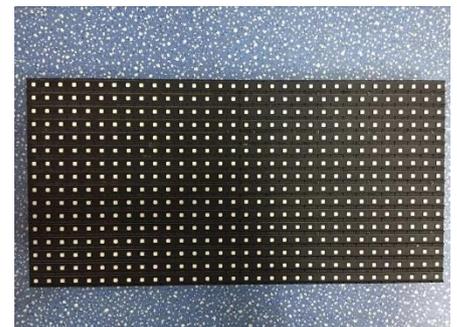
Double layer PCB board is used to enhance signal stability to provide better signal-to-noise ratio & heat dissipation performance in any condition.

Any Shape, Any Size

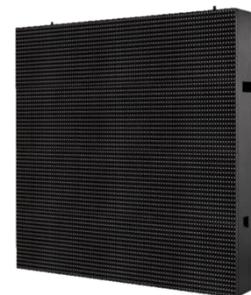
Module-based design allows for unique shapes and aspect ratios while eliminating all limitations on display size.

Technical Specifications

Model number	P10-HX
Pixel pitch (mm)	10
Pixels per square meter	10,000
Color Processing Architecture	16-bit
Pixel configuration	1R, 1G, 1B LED
Color capability	281 trillion +
Color temperature	3,500° - 9,500° K (adjustable)
Refresh rate	>1,920+ Hz
LED lifetime	100,000 hours
Display intensity	7,000 nits (cd/m2) adjustable
Dimming capability	8-bit (256 levels of brightness control)
Horizontal viewing angle	140°
Vertical viewing angle	120°
Contrast ratio	1,000:1 +
Service access	Rear
Weatherproofing features	Sealed cabinet, potted modules, conformal coated display electronics
Weatherproofing (front/rear)	IP65 / IP54
Working temperature rating	-34°C to 49°C
Ventilation	Fans and filters
Video format	Composite, component, S-Video, SDI, HD-SDI
Data transmission to display	UTP Cat 5 up to 100m / fiber optic cable
Minimum viewing distance	10 m
Module configuration-pixels (WxH)	32 x 16
Module dimensions (WxH)	320mm x 160 mm
Panel configuration-pixels (WxH)	96 x 96
Panel dimensions (WxH)	960 mm x 960 mm
Panel depth	175 mm
Panel weight (kg)	55
Maximum power per sq.m. (watts)	980
Average power per sq.m. (watts)	392



Module: Front View



Panel: Side View



UEM Land Anjung Neighbourhood Centre, Nusajaya