



MICA PLUS

MODULE BASED FLEXIBLE LED DISPLAY





OVERVIEW

The MICA PLUS is the perfect balance between the flexibility of the MICA and the fine pixel pitch of our QWARTZ range. This module-based product is adaptable to most indoor LED display projects, easy to integrate, and even easier to maintain. It is a high-end product that can perfectly fit advertisement projects, trading floors, building lobbies, and many more.



APPLICATION
Indoor / Outdoor



BRIGHTNESS
≤ 800 NITS (indoor)
≤ 6000 NITS (outdoor)



INGRESS PROTECTION
IP41 (front-indoor)
IP40 (back-indoor)
IP68 (outdoor)



WEIGHT
0.8 - 1.8 kg/module



PIXEL PITCH
P1.2 P1.5 P1.7 P1.9 (indoor)
P3.8 P6.6 (outdoor)



MATERIAL
Rubber + magnets + plastic



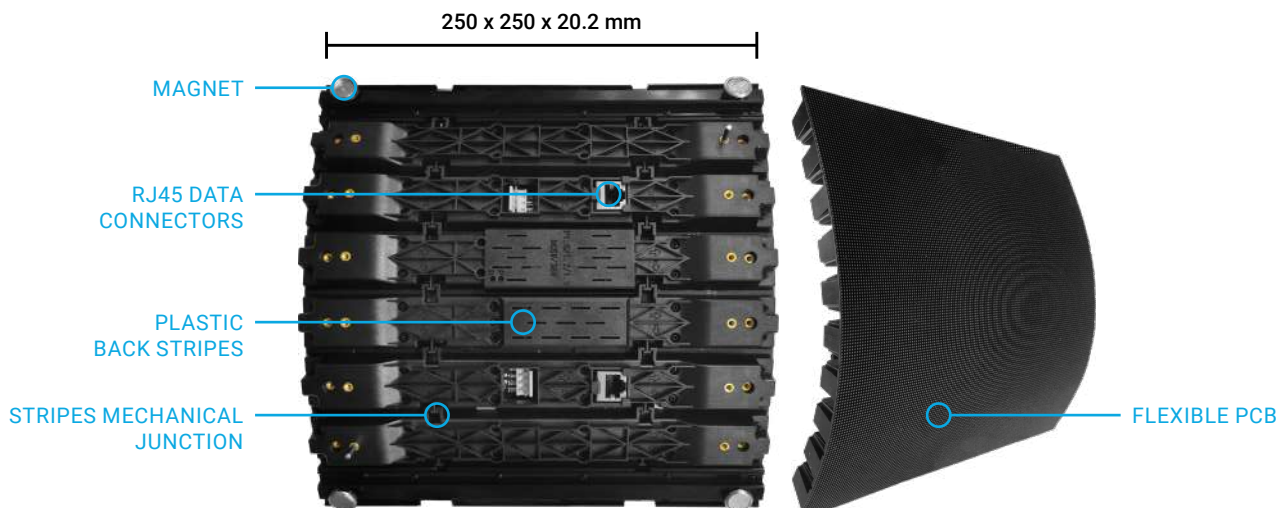
DISPLAY AREA (W x H)
250 x 250 mm
304.8 x 304.8 mm (P3.8)
320 x 320 mm (P6.6)



MAINTENANCE
Front maintenance



FEATURES



TAILORED LED APPLICATION

Due to its high flexibility and square dimensions, the MICA PLUS can be integrated into the most imaginative LED display projects with ease. This is the LED module you need if you're about to conceive something special for everyone to remember, as it will perfectly fit the most daring and unusual installations.



ADAPTABLE TO ANY
INDOOR APPLICATION



FINE PIXEL PITCH



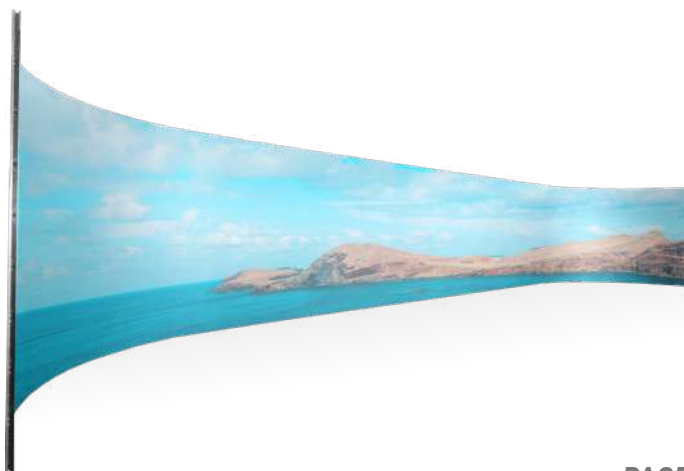
MAGNETIC MODULES
BENDABLE UP TO 90°

INTEGRATION

The easiest and fastest way to integrate the MICA PLUS is to use a steel frame (preexistent or not) on which the modules are simply magnetically affixed. These modules are mechanically linked together one by one, then there's only some wiring to do to complete the installation. This process is both fast and easy, making it very cost-effective.

MAINTENANCE

The features that make the MICA PLUS easy to integrate also make it easy and fast to maintain. The modules can simply and quickly be removed and replaced from the front of the LED display, without any tool.



FINE PIXEL PITCH

The MICA PLUS indoor comes from, P1.2 to P1.9, which is a slightly lower resolution than our ultra HD product range. Considering the high adaptability and size of the MICA PLUS modules, you can easily attain any image ratio desired, even the famous 16:9 golden ratio.



TECHNICAL SPECIFICATIONS

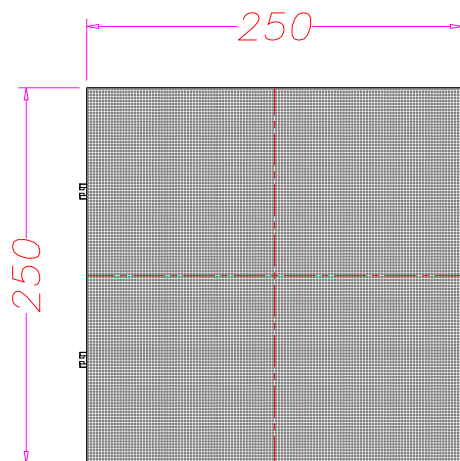
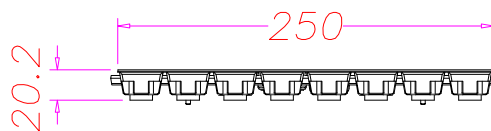
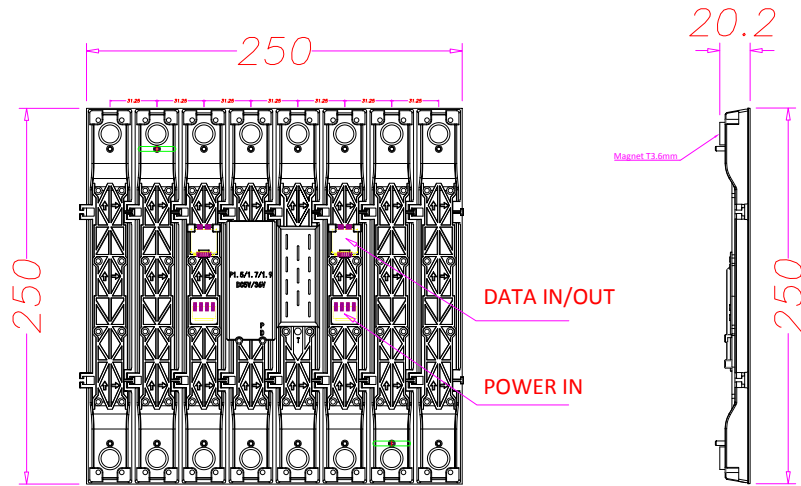
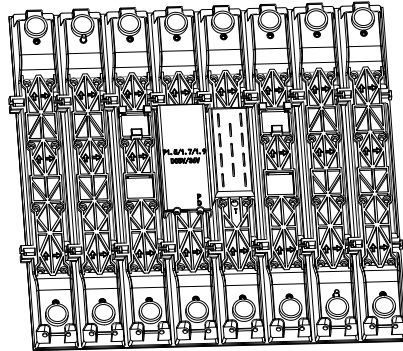
Product Parameters	Unit	INDOOR				OUTDOOR	
		1.2	1.5	1.7	1.9	3.8	6.6
Pixel Pitch	mm	1,25	1,56	1,74	1,95	3,81	6,67
LED		SMD0808	SMD1010		SMD1515	SMD1921	SMD2727
Application		Flexible LED module					
Ingress Protection	IP	IP41 (Front) / IP40 (Back)				IP68	
Brightness	cd/sqm	≤ 800 Nits @5volts				≤ 5500 Nits @5volts	≤ 6000 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500					
Viewing Angle (50% brightness)	deg.	130 H / 130 V					
Cabinet Size (WxHxD)	mm	250 x 250 x 20.2					
Display area (WxH)	mm	250 x 250				304.8 x 304.8	320 x 320
Module Size (WxHxD)	mm	250 x 250 x 20.2				304.8 x 304.8 x 20.2	320 x 320 x 20.2
Pixel Matrix Per Cabinet (WxH)	px	200 x 200	160 x 160	144 x 144	128 x 128	80 x 80	48 x 48
Pixel Matrix Per Module (WxH)	px	200 x 200	160 x 160	144 x 144	128 x 128	80 x 80	48 x 48
Pixel Density	px/sqm	640000	409600	331776	262144	68889	22500
Weight of cabinet	kg	0.8				1.6	1.8
Cabinet Material		Rubber / Plastic / Magnets					
Maintenance Mode		Front					
Mask specification		No mask					
Contrast Ratio		High					
Grey scale (linear)	bit	16					
Brightness control	bit	16					
Processing depth	bit	16					
Color		281 Trillions					
Display Refresh Rate	Hz	3840					
Operation Power	V	AC100-240V					
Max. Power Consumption	W/sqm	720		640	618		532
Average Power Consumption	W/sqm	240		214	206		160
Control Mode		Synchronization					
Video Frame Rate	Hz	50/60Hz					
Input Types Supported		DVI / SDI / HDMI					
3D ready (optional)		Yes					
Calibration		Yes					
Lifetime (50% brightness)	h	50000					
Operating Humidity Range		10-60%					
Operating Temperature Range		-20°C / +45°C					
Screen Uniformity Correction		-					
Certification		FCC / CE / ETL / CCC / CB					
Available options		Nanocoating / Gold wiring					
Compatibility		-					



Information and design in this leaflet are subject to Artixium France SAS copyright. No material from this leaflet can be used in any context without ARTIXIUM approval. Designs and specifications are subject to change without notice. All images of ARTIXIUM products components and accessories used here are also subject to change without notice. All information presented herein is based on the latest information at the time of publishing. Actual results of performance and other specifications may differ or vary with production models and may depend on selected options and model ranks.



TECHNICAL DRAWINGS



CONTACT


The Artixium regional branches are the key for the growth and development of our global network all over the world. Artixium's team is a spectrum of different nationalities and cultures, reflecting their global presence and mindset, mak-

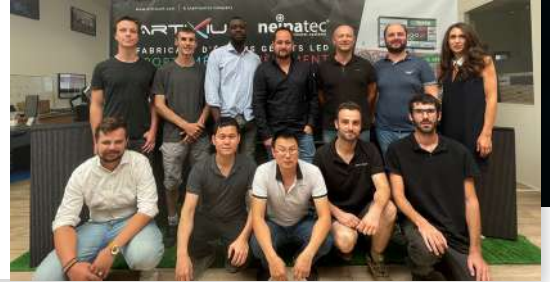
ing their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.


ARTIXIUM FRANCHISES

"From your project's conception to its completion."




 112 Avenue Franklin Roosevelt
69120 Vaulx-en-Velin
France




 Artixium Operational Center
518000 Shenzhen
China




 Weissensteinstrasse 90b,
46149 Oberhausen
Germany




 Merkez Mah. Baglar Cad. A
Blok Apt. No: 14D/13 Kagithane, Istanbul
Turkey




 www.artixium.com

 0 428 001 801

 [linkedin.com/company/artixium](https://www.linkedin.com/company/artixium)

 twitter.com/artixium

 contact@artixium.com

 [youtube.com/@artixium](https://www.youtube.com/@artixium)

 [facebook.com/artixium](https://www.facebook.com/artixium)

 [instagram.com/artixium](https://www.instagram.com/artixium)



Since its creation in 2012 by two european entrepreneurs, Artixium has been evolving and always looking for innovative ways to contribute to the digital transition of our world. It only took a few years for Artixium to become a key player in the LED display industry.

www.artixium.com