GRANITE

RETAIL MODULABLE LED DISPLAY

OVERVIEW

With a pixel pitch ranging from P1.9 to P3.9, the GRANITE is well suited for indoor fixed applications. It can serve in monitoring rooms, conference rooms, traffic command centers as well as in hotels, shopping malls, churches, etc. Its brightness makes it effective even when the GRANITE is exposed to sunlight.

APPLICATION
Indoor

INGRESS PROTECTION
IP20

PIXEL PITCH
P1.9 P2.6 P2.9 P3.9

DISPLAY AREA (W x H)
500 x 500 mm
500 x 750 mm
500 x 1000 mm

BRIGHTNESS
≤ 1600 NITS (SMD2121)
≤ 3000 NITS (SMD1921)

WEIGHT
5.5 - 7.5 - 9 kg/cabinet

MATERIAL
Anodized aluminum

MAINTENANCE
Back & front maintenance

FEATURES

500 x 1000 x 61.3 mm

KING PIN

POWER BOX

ANODIZED
ALUMINUM FRAME

CABINET HANDLE

MODULE HANDLE

TOOLLESS
LOCKING SYSTEM

FIXATION HOLE
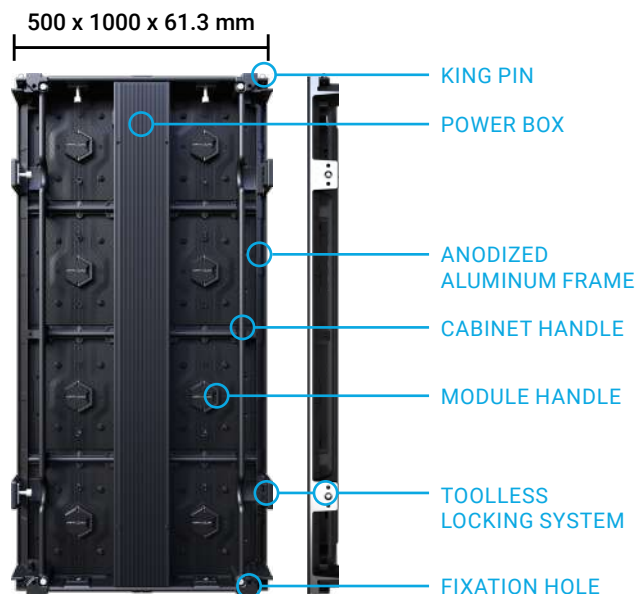
HIGH MODULARITY

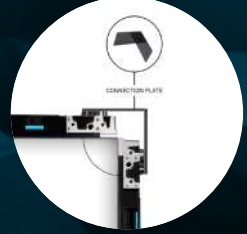The three sizes of the GRANITE were implemented to maximize its compatibility with any indoor LED application project. Being totally compatible with one another, these different cabinets will fit any room you want to enhance with stunning visual effects.

TOOLLESS BACK ACCESS

FRONT ACCESS WITH A MAGNETIC TOOL

90° CONCAVE ANGLE

SLIM DESIGN & 90° ANGLES

The GRANITE is the ultimate thin cabinet for a discreet indoor LED display. It enables a 90° concave screen configuration with the use of connection plates, allowing your installation to merge with any room architecture.

SMART MAINTENANCE

With its magnetic modules accessible from the front or from the back, the GRANITE can be integrated into many different ways and remain easy to maintain. The maintenance of the GRANITE is a one-man job.

EASY INTEGRATION

With a lightweight range from 5.5kg to 9kg per cabinet and toolless locking systems, the GRANITE is designed to be extremely fast and simple to integrate. It supports several types of integration such as being hung from a ceiling, fixed to a structure or a wall, and more.

FINE PIXEL PITCH

From P1.9 to P3.9, the GRANITE offers a high display quality. Depending on the pixel pitch, you can choose different types of LEDs according to your needs (higher brightness, better resolution, etc.).

TECHNICAL SPECIFICATIONS

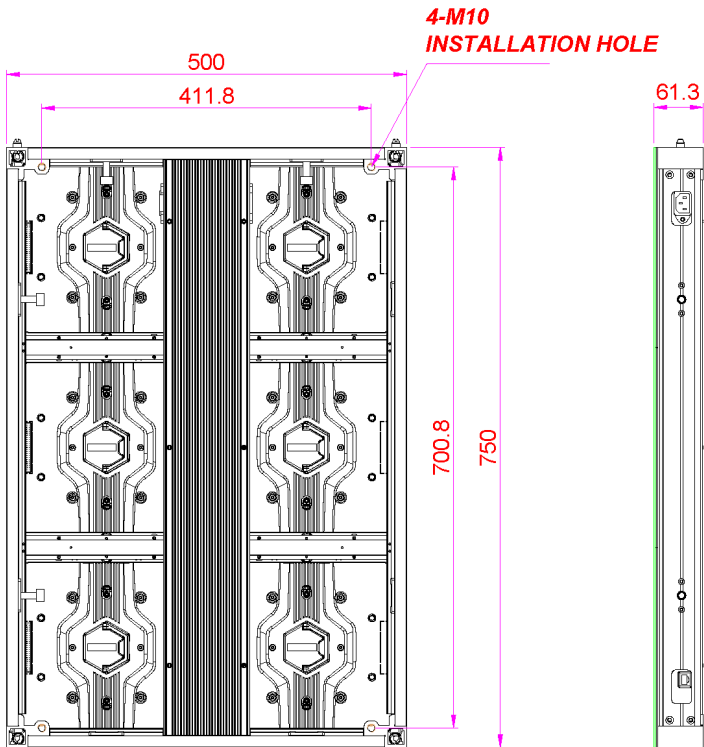| Product Parameters	Unit	INDOOR			
		1.9	2.6	2.9	3.9
Pixel Pitch	mm	1,95	2,60	2,91	3,91
LED		SMD1515	SMD1515 / SMD2121	SMD2121	SMD2121 / SMD1921
Application		Media (retail)			
Ingress Protection	IP	IP20			
Brightness	cd/sqm	≤ 1000 Nits @5volts	≤ 1000 Nits @5volts (SMD2121) ≤ 3000 Nits @5volts (SMD1921)		
Color Temperature after calib (adjustable)	deg. K	6500			
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V			
Cabinet Size (WxHxD)	mm	500 x 500 x 61.3 / 500 x 750 x 61.3	500 x 500 x 61.3 / 500 x 750 x 61.3 / 500 x 1000 x 61.3		
Display area (WxH)	mm	500 x 500 / 500 x 750	500 x 500 / 500 x 750 / 500 x 1000		
Module Size (WxHxD)	mm	250 x 250 x 15			
Pixel Matrix Per Cabinet (WxH)	px	256 x 256 / 256 x 384	192 x 192 / 192 x 288 / 192 x 384	172 x 172 / 172 x 258 / 172 x 344	128 x 128 / 128 x 192 / 128 x 256
Pixel Matrix Per Module (WxH)	px	128 x 128	96 x 96	86 x 86	64 x 64
Pixel Density	px/sqm	262144	147456	118336	65536
Weight of cabinet	kg	5.5 / 7.5 / 9			
Cabinet Material		Anodized aluminum			
Maintenance Mode		Front & back			
Mask specification		95% Plastic + 5% Fiber / clip type (no screws) / No Shaders			
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	400	410 (SMD1515) / 440 (SMD2121)		320 (SMD2121) / 420 (SMD1921)
Average Power Consumption	W/sqm	160	165 (SMD1515) / 170 (SMD2121)		125 (SMD2121) / 130 (SMD1921)
Control Mode		Synchronization			
Video Frame Rate	Hz	50/60Hz			
Input Types Supported		DVI / SDI / HDMI / S-Video / VGA			
3D ready (optional)		Yes			
Calibration		Yes			
Lifetime (50% brightness)	h	50000			
Operating Humidity Range		10-95%			
Operating Temperature Range		-20°C / +45°C			
Screen Uniformity Correction		-			
Certification		CE / ETL / CCC / EMC			
Available options		-			
Compatibility		all cabinets size are compatible with each other			

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TECHNICAL DRAWINGS

500 X 500 X 61.3 MM

4-M10
INSTALLATION HOLE

500 X 750 X 61.3 MM

4-M10 INSTALLATION HOLE

500

250

250

750

500

411.8

700.8

750

61.3

500 X 1000 X 61.3 MM

4-M10 INSTALLATION HOLE

500
250
250
1000
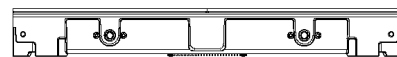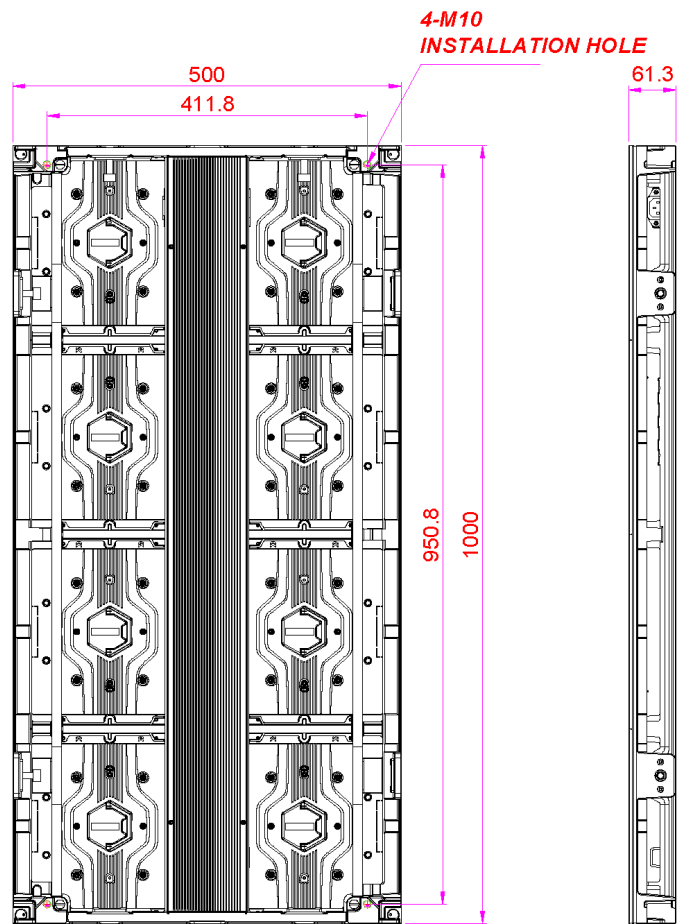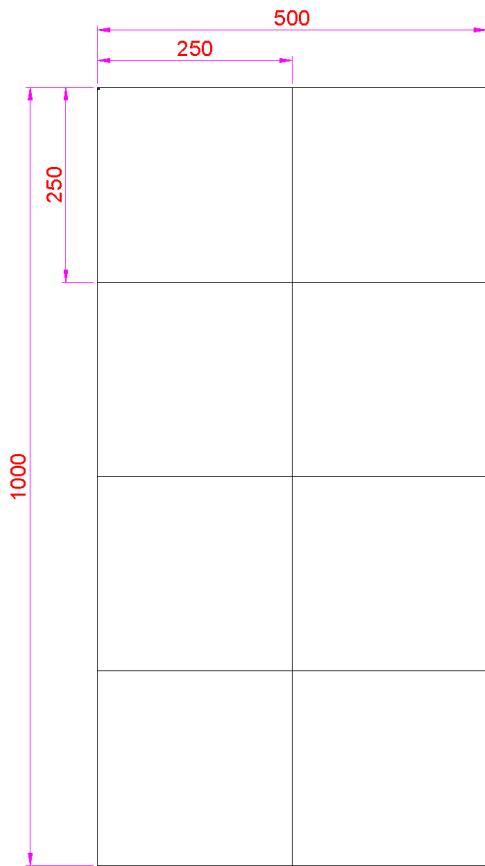
500
411.8
950.8
1000
61.3
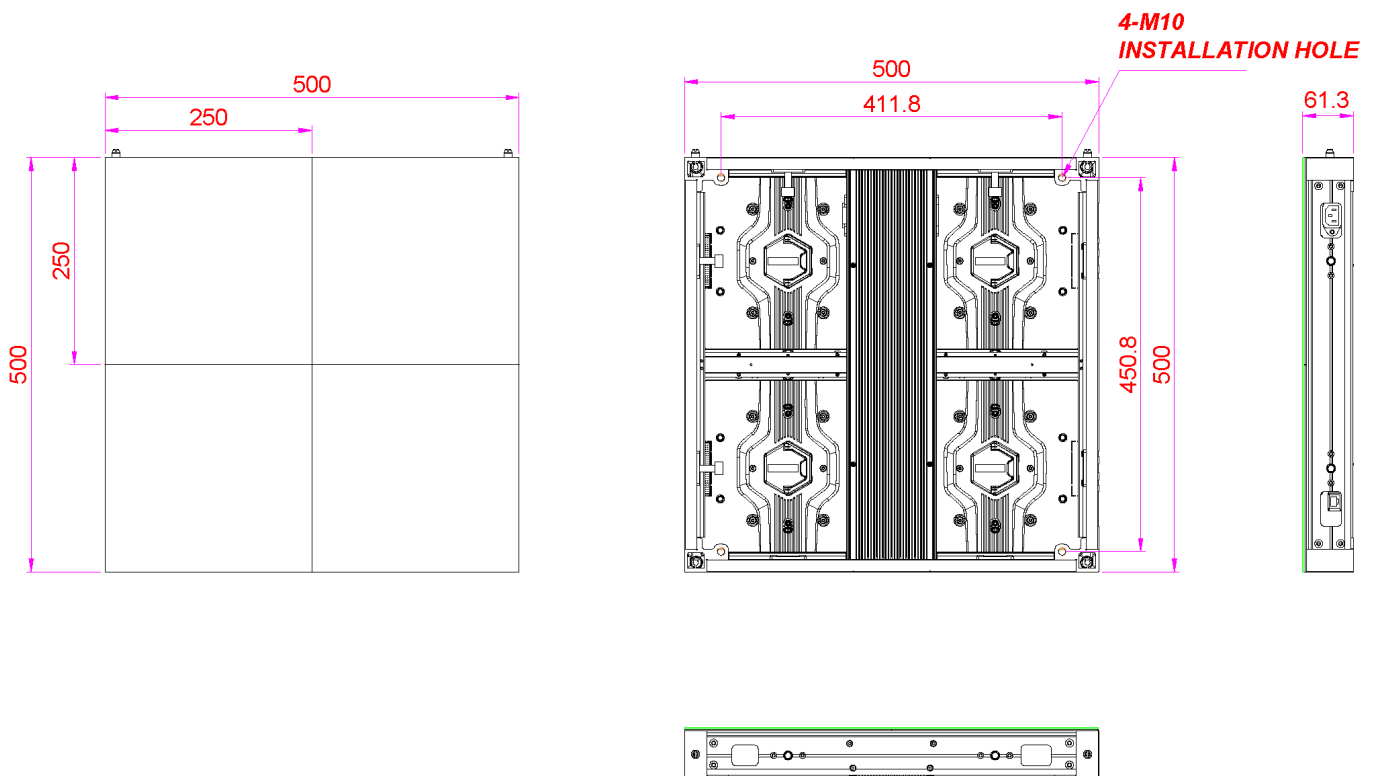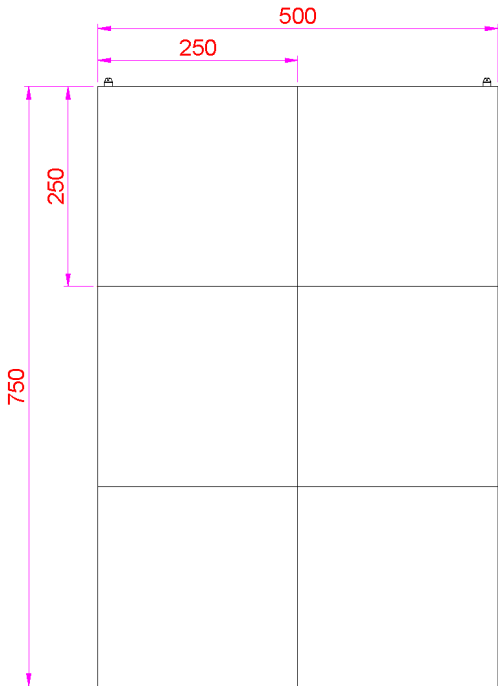
CONTACT

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, making 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."

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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.

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