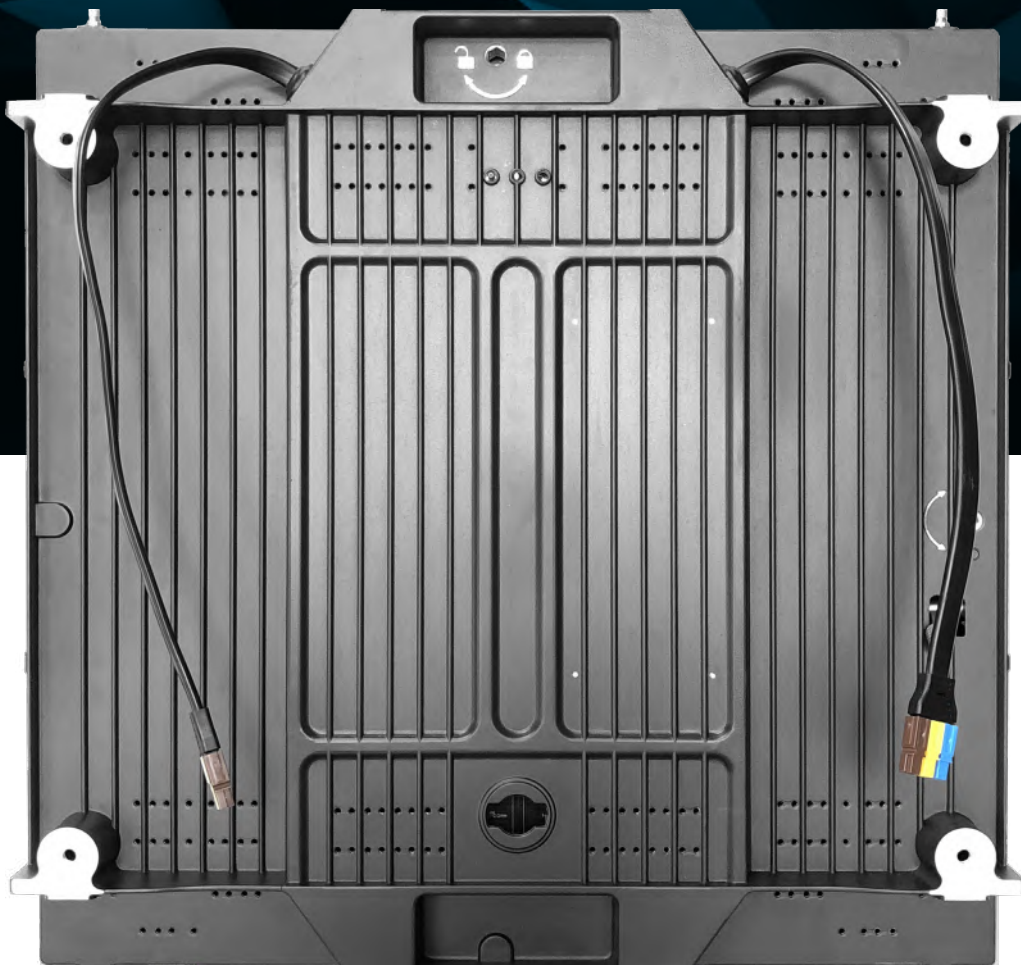# IRON 2.0

FRONT ACCESS - INDOOR FIXED APPLICATION

IRON 2.0

OVERVIEW

With a size of 500 x 500 x 63 mm and a weight of 6.9 kg per cabinet, the IRON 2.0 (front maintenance) is the most reliable product for indoor installations. It's thinner and lighter than its predecessor. Because of its front maintenance, it suits perfectly installations against a wall where you usually don't have access to the back of the cabinet. Built to be quickly and easily installed, the IRON 2.0 is a reliable product with a long life expectancy. Furthermore, it's a cost-effective LED display whilst allowing a thin pixel pitch led display starting at P1.95.

APPLICATION
Indoor

INGRESS PROTECTION
IP30

PIXEL PITCH
P1.9 P2.5 P2.8 P3.9

DISPLAY AREA (W x H)
500 x 500 mm

BRIGHTNESS
≤ 900 NITS (LED TYPE SMD)

WEIGHT
6.9 kg/cabinet

MATERIAL
Die-casting aluminum

MAINTENANCE
Front maintenance

FEATURES

500 x 500 x 63 mm

LOCKING SYSTEM
CONICAL PIN

INTEGRATED DATA
AND POWER CABLES

HEAT DISSIPATION
DESIGN

LOCKING SYSTEM

DIE CASTING
ALUMINUM FRAME
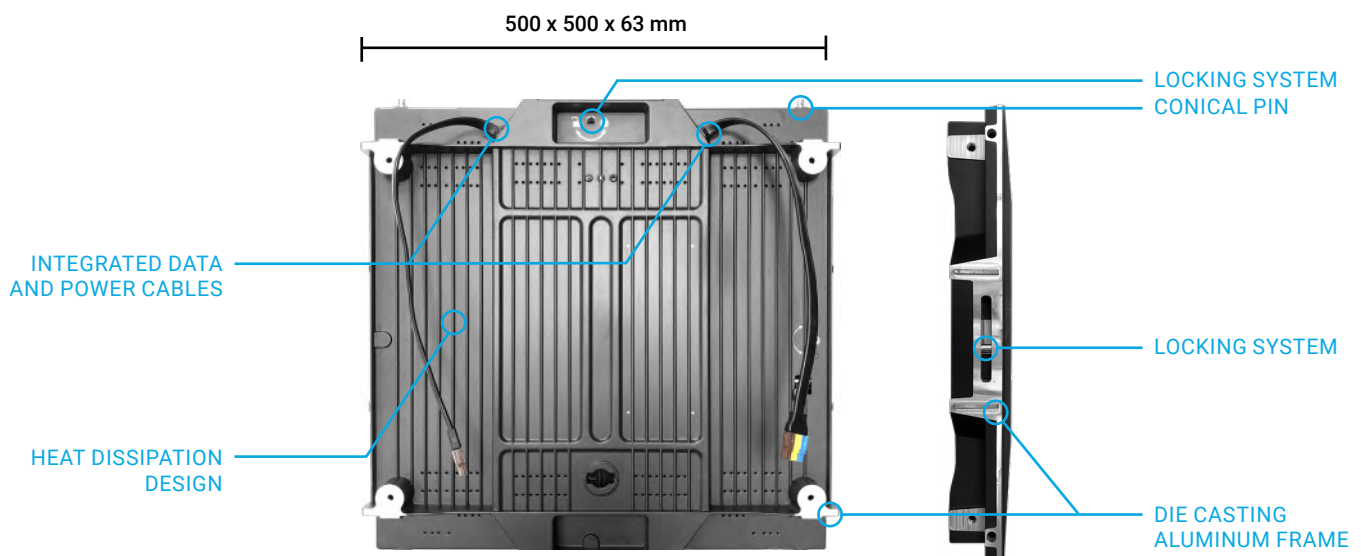
FRONT MAINTENANCE

The IRON 2.0 is the ideal LED cabinet for a display against a wall, which generally doesn't allow a back access to your LED screen. Thanks to a magnetic tool, the different modules can be removed from the front to replace them or to access the reception card or the power block. The maintenance can easily be handled by one technician.

CNC CUT FRAME

INTEGRATED POWER AND DATA CABLES

UNIQUE TECHNOLOGY FOR A GREAT PRECISION AND A STABLE CONNEXION

SLIM AND EFFICIENT DESIGN

Even though the IRON 2.0 was conceived for indoor installations, it is a robust product made out of die-cast aluminum. It was designed to be both slim, light, and user-friendly. The cable management system was integrated into the LED cabinet in order for your led display to remain discreet in an indoor environment.

INDOOR PIXEL PITCH & COST-EFFECTIVE CABINET

The IRON 2.0 is available from P1.9 to P3.9 for your indoor installations. It gives you access to a fine pixel pitch whilst keeping a low budget for a high quality product.

TECHNICAL SPECIFICATIONS

Product Parameters	Unit	INDOOR			
		1.9	2.5	2.8	3.9
Pixel Pitch	mm	1,95	2,50	2,84	3,91
LED		SMD1515 3in1 (Full Black Face)		SMD2020 3in1 (Full Black Face)	
Application		Media			
Ingress Protection	IP	IP30			
Brightness	cd/sqm	≤ 800 Nits @5volts		≤ 900 Nits @5volts	
Color Temperature after calib (adjustable)	deg. K	3000 - 10000			
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V			
Cabinet Size (WxHxD)	mm	500 x 500 x 63			
Display area (WxH)	mm	500 x 500			
Module Size (WxHxD)	mm	250 x 250 x 15			
Pixel Matrix Per Cabinet (WxH)	px	256 x 256	200 x 200	176 x 176	128 x 128
Pixel Matrix Per Module (WxH)	px	128 x 128	100 x 100	88 x 88	64 x 64
Pixel Density	px/sqm	262144	160000	123904	65536
Weight of cabinet	kg	6.9			
Cabinet Material		Die-casting aluminum			
Maintenance Mode		Front			
Mask specification		95% Plastic + 5% Fiber / SS 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	2880			
Operation Power	V	AC85-230V			
Max. Power Consumption	W/sqm	600			
Average Power Consumption	W/sqm	200			
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		10-95%			
Operating Temperature Range		-10°C / +50°C			
Screen Uniformity Correction					
Certification		CE / ETL / CCC			
Available options		GME (Global Module Encapsulation),curve, Neutrik connectors, hanging bars			
Compatibility		Non			

500

250

250

500

65

63

500

65

63

500

500

440

4-M6

360

500
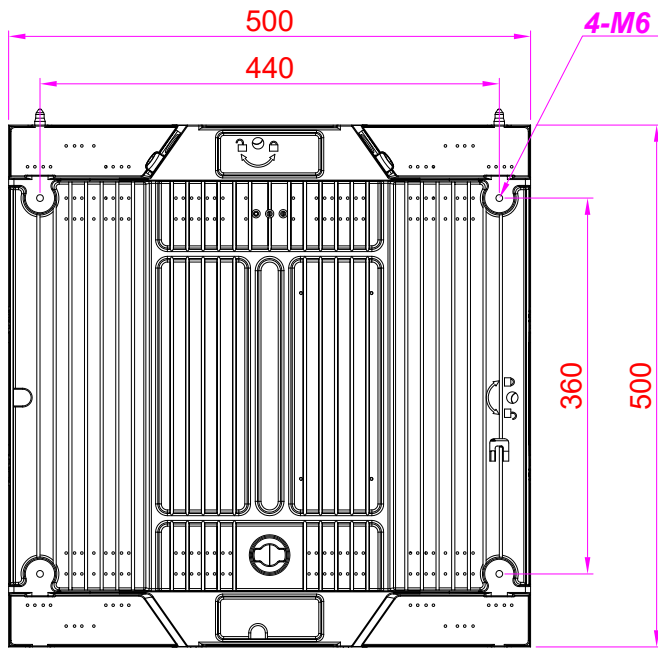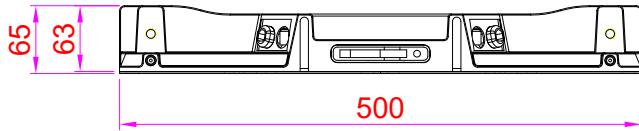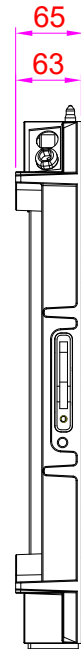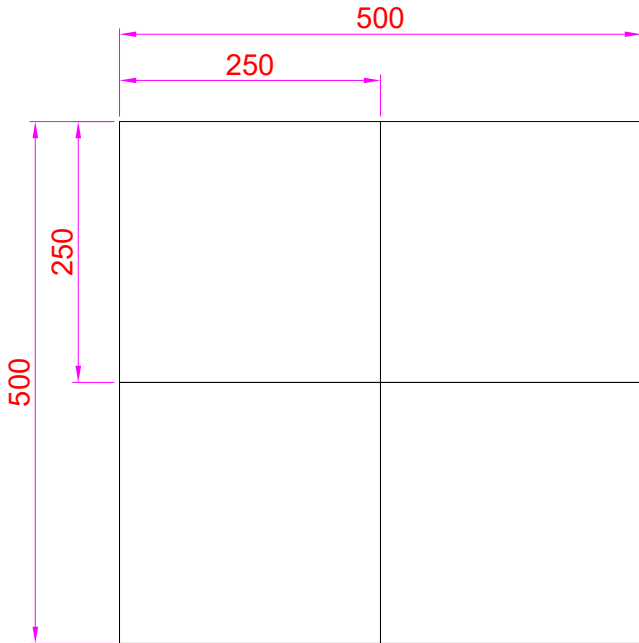
X CONTACT

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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ARTI💹IUM®

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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