QWARTZ 3.0
ULTRA SLIM

FINE PITCH - MODULAR INDOOR LED DISPLAY

OVERVIEW

This LED cabinet is the latest addition to our QWARTZ ULTRA SLIM range. The QWARTZ ULTRA SLIM 3.0 works on a 250 x 250 mm modular basis, making it ideal for many indoor LED application projects. Although similar to the QWARTZ ULTRA SLIM 2.0 regarding its design, it differs from it with its dimensions, thought to maximize modularity and adaptability rather than seeking a 16:9 ratio.

APPLICATION
Indoor

INGRESS PROTECTION
IP20

PIXEL PITCH
P1.9 P2.5 P2.6

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

BRIGHTNESS
≤ 1000 NITS @5volts
≤ 3000 NITS @5volts (opt.)

WEIGHT
18.5 - 18 kg/m²

MATERIAL
Die-casting aluminum

MAINTENANCE
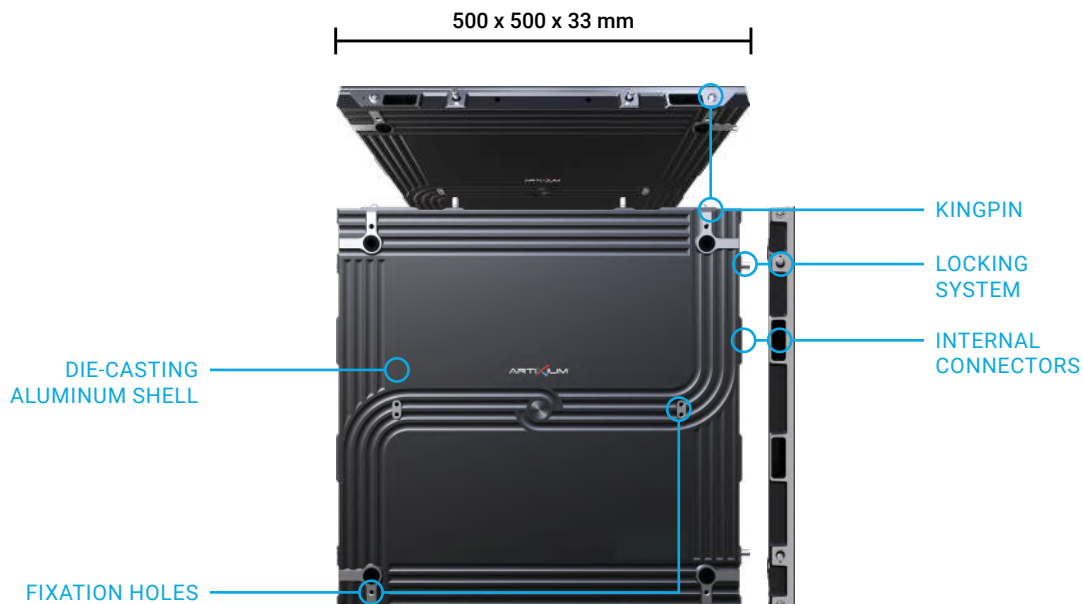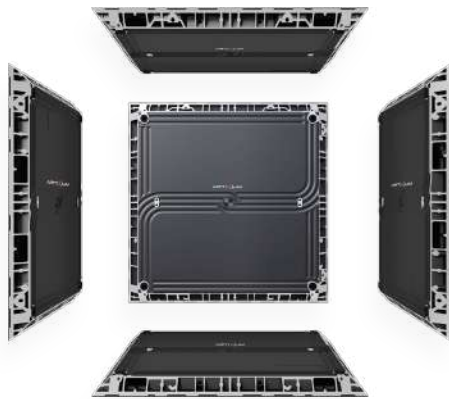**Front maintenance**

FEATURES

The QWARTZ ULTRA SLIM 3.0 is available in 5 different sizes, all of them compatible with one another. Below is the 500 x 500 mm cabinet, but the presented features remain the same on the other cabinets.

500 x 500 x 33 mm

KINGPIN

LOCKING SYSTEM

INTERNAL CONNECTORS

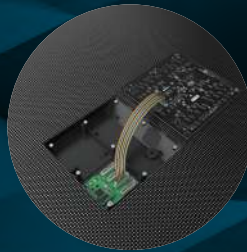DIE-CASTING ALUMINUM SHELL

FIXATION HOLES

90° ANGLES

The QWARTZ ULTRA SLIM cabinets can be bevelled at a 45° angle on the edges to allow 90° applications. You can even obtain seamless LED cubes with cabinets bevelled on all edges. This feature allows high creativity to your giant LED screen projects.

**ULTRA SLIM FRONT
MAINTENANCE CABINET**

**MAGNETIC FRONT
ACCESS MODULES**

90° OPTION

FINE PIXEL PITCH

With a fine P1.9 or P2.6 pixel pitch, and SMD black face LEDs, the QWARTZ ULTRA SLIM 3.0 is slightly above what we consider to be ultra HD LED cabinets, pitch-wise. This product is capable of displaying very high-quality content, even allowing a 1920 x 1080 pixels resolution with a limited number of cabinets. No matter the number and layout of your LED cabinets, you'll get an astonishing render on your giant indoor screen.

MODULAR LED SOLUTION

With its 5 different compatible cabinet sizes, the QWARTZ ULTRA SLIM 3.0 allows you to create tailored giant LED screens while optimizing the number of receiving cards, making your application as cost-effective as possible.

TECHNICAL SPECIFICATIONS

8.8 /10
REPAIRABILITY INDEX

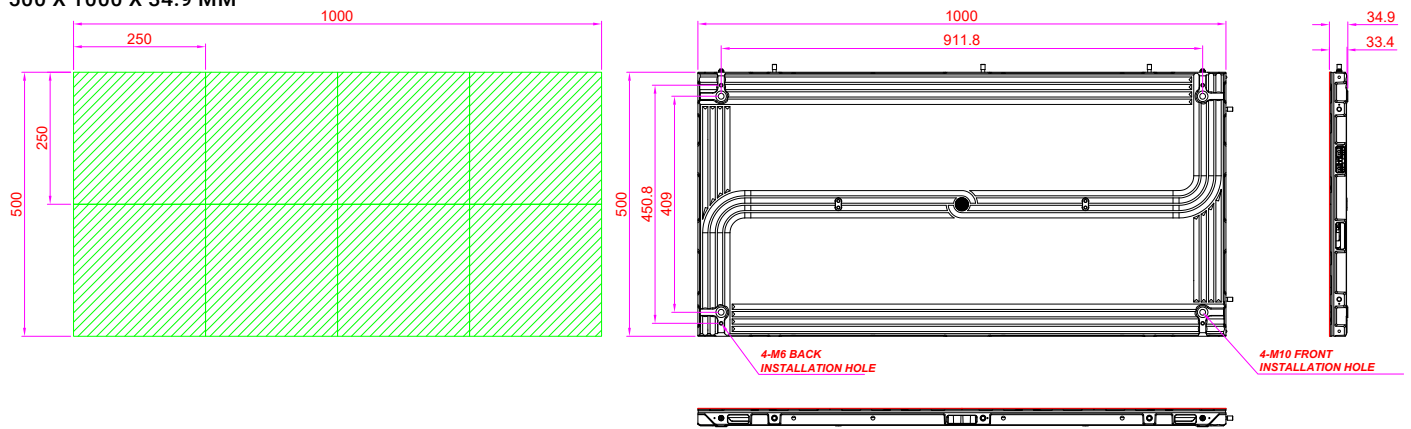| Product Parameters	Unit	INDOOR			
		1.9	2.5	2.6	2.6 - HB
Pixel Pitch	mm	1,95	2,50	2,60	2,60
LED		SMD1212 3in1 (Full Black Face)	SMD1515 3in1 (Full Black Face)		SMD1515 3in1 (Black Face)
Application		Indoor modulable LED screen			
Ingress Protection	IP	IP20			
Brightness	cd/m²	≤ 800 Nits @5volts	≤ 1000 Nits @5volts		≤ 3000 Nits @5volts
Color Temperature after calib (adjustable)	deg. K	6500			
Viewing Angle (50% brightness)	deg.	160 H / 160 V			
Cabinet Size (WxHxD)	mm	500 x 1000 x 34.9 / 1000 x 500 x 34.9 / 750 x 500 x 34.9 500 x 500 x 34.9 / 250 x 500 x 34.9			
Display area (WxH)	mm	500 x 1000 / 1000 x 500 / 750 x 500 / 500 x 500 / 250 x 500			
Module Size (WxHxD)	mm	250 x 250 x 3			
Pixel Matrix Per Cabinet (WxH)	px	256 x 512 512 x 256 384 x 256 256 x 256 128 x 256	200 x 400 400 x 200 300 x 200 200 x 200 100 x 200	192 x 384 384 x 192 288 x 192 192 x 192 96 x 192	192 x 384 384 x 192 288 x 192 192 x 192 96 x 192
Pixel Matrix Per Module (WxH)	px	128 x 128	100 x 100	96 x 96	96 x 96
Pixel Density	px/m²	262144	160000	147456	147456
Weight of cabinet	kg	18.5	18		18
Cabinet Material		Die-casting aluminum			
Maintenance Mode		Front			
Mask specification		95% Plastic + 5% Fiber / Clips (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	AC85-230V			
Max. Power Consumption	W/m²	420			
Average Power Consumption	W/m²	160			
Control Mode		Synchronous / Asynchronous			
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		-30°C / +60°C			
Screen Uniformity Correction		Yes			
Certification		CE / EMC / LVD / FCC / ETL			
Available options		90° angles - High Brightness (P2.6)			
Compatibility		All cabinet sizes are compatible with one another / A cabinet can be installed vertically or horizontally			

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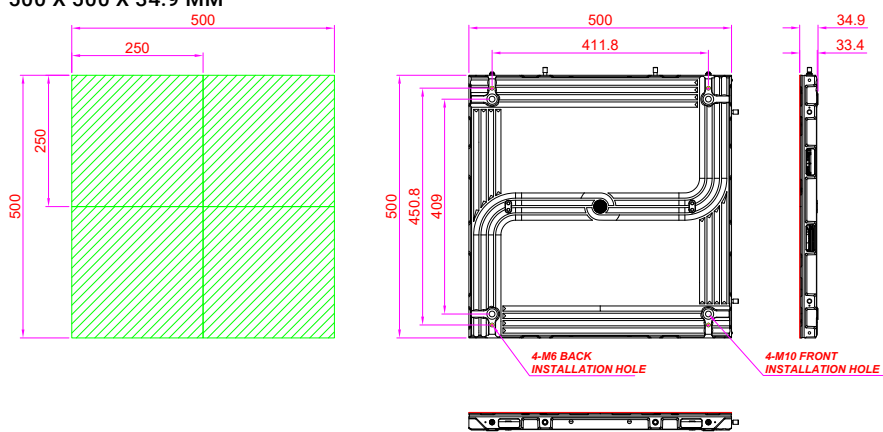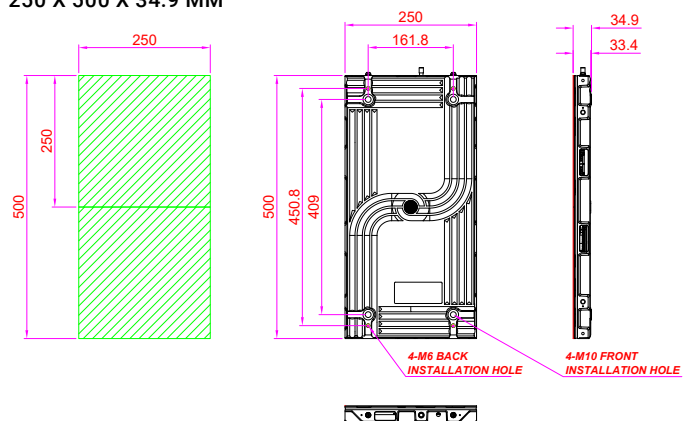
TECHNICAL DRAWINGS

500 X 1000 X 34.9 MM

500 X 500 X 34.9 MM

250 X 500 X 34.9 MM

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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