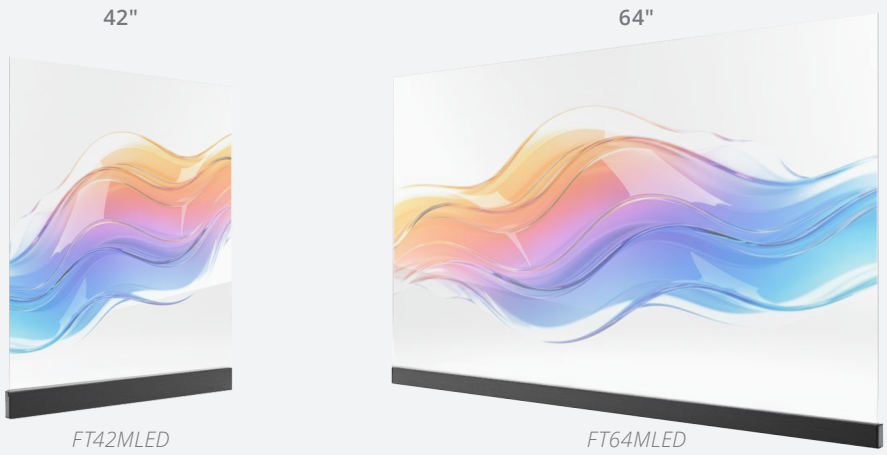
FAYTECH® 42" / 64" TRANSPARENT MICRO-LED DISPLAY (LARGE FORMAT)
I-TYPE

AUO Partner



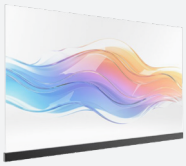
FT42MLED FT64MLED

Prototype Datasheet (Preliminary)
05.11.2026

Pictures show sample configurations, real product may vary.

SCAN ME

DISPLAY

	42" (41.6")	64" (63.5")
Display Size [inch]		
	I-type integration kit	I-type integration kit
Configuration	1 × 42" Module 	2 × 42" Module 
Display Technology	AUO Transparent Micro-LED (AM RGB)	AUO Transparent Micro-LED (AM RGB)
Active Area W × H [mm]	702.7 × 790.56	1405.44 × 790.56
Resolution [pixel]	960 × 1080	1920 × 1080
Pixel Pitch [mm]	0.732 (34.7 ppi)	0.732 (34.7 ppi)
Aspect Ratio	8:9 (portrait)	16:9 (landscape)
Brightness [cd/m²]	1000 (full white)	800 (full white)
Contrast Ratio	1,000,000 : 1	1,000,000 : 1
Transmittance	58.5%	58.5%
Frame Rate [Hz]	120	120
Viewing Angle U / D / L / R [°]	89 / 89 / 89 / 89	89 / 89 / 89 / 89
Color Gamut	DCI-P3 > 98%, Rec. 2020 > 85%	DCI-P3 > 98%, Rec. 2020 > 85%
Display Colors	1.07B (10bit)	1.07B (10bit)
Display Operation Mode	Normally Black	Normally Black
Interface	DisplayPort (DP in, cascade in/out)	DisplayPort (DP in, cascade in/out)

SURFACE / COVER GLASS

Panel Surface	Molding film (haze ≤ 4%)
Cover Glass	64" included, 42" open cell
Optical Bonding	Clear Bond® (touch display kit)

ENVIRONMENTAL CONDITIONS

Operation Temperature	0°C to 40°C
Storage Temperature	-10°C to 60°C
Operation Humidity Range	10% to 80%
Storage Humidity Range	10% to 90%

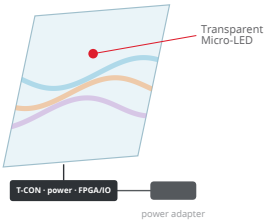
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faytech

CONFIGURATIONS

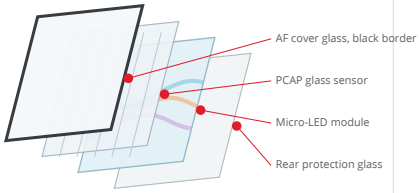
DISPLAY KIT

Micro-LED open cell · DP in + cascade



TOUCH DISPLAY KIT

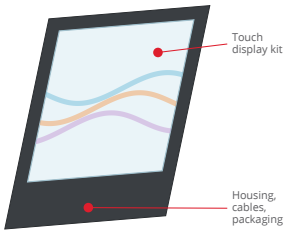
optically bonded PCAP touch · USB



front and rear glass optically bonded

TOUCH MONITOR

faytech sheet-metal housing



media player / PC not included

Configuration	Model	Scope of supply
Display Kit	FT42/64MLED	42": AUO open cell + T-CON + power board + FPGA/I/O; 64": AUO set (2 × 42", cover glass, T-CON, power, FPGA, I/O); power adapter(s); inspected, tested and packed
Touch Display Kit	FT42/64MLEDCAPOB	Display kit + PCAP touch (glass sensor, AF cover glass with black border) and rear protection glass, optically bonded; USB touch controller
Touch Monitor	FT42/64TMMLEDCAPOB	Touch display kit in a faytech sheet-metal housing; cables and export packaging (media player / PC not included)

I/O PORTS

	42"	64"
Power	1 × 6-pin (power adapter)	2 × 6-pin (power adapters)
Video	1 × DP in 1 × DP in (cascade) 1 × DP out (cascade)	1 × DP in 1 × DP in (cascade) 1 × DP out (cascade)

POWER

	42"	64"
Power Supply	AC 100–240 V 1 × 360 W adapter	AC 100–240 V 2 × 360 W adapters
Power Consumption	330 W (full white)	550 W (full white)
Standby Power	< 1 W	< 1 W

WEIGHT & PACKAGING

	42"	64"
Dimension W × H × D [mm]	708.6 × 945.16 × 55.0	1411.32 × 945.96 × 50.0
Net Weight	~10.0 kg	~20.0 kg
Gross Weight	On request	On request
Packaging Material	100% recyclable cardboard and polyethylene (PE)	100% recyclable cardboard and polyethylene (PE)
Packaging Size	On request	On request

ACCESSORIES

Power Adapter	1x Included
Remote Controller	Optional

CERTIFICATIONS

CE Certificate	Yes
FCC Certificate	Yes
Touch Monitor	On request (at cost)

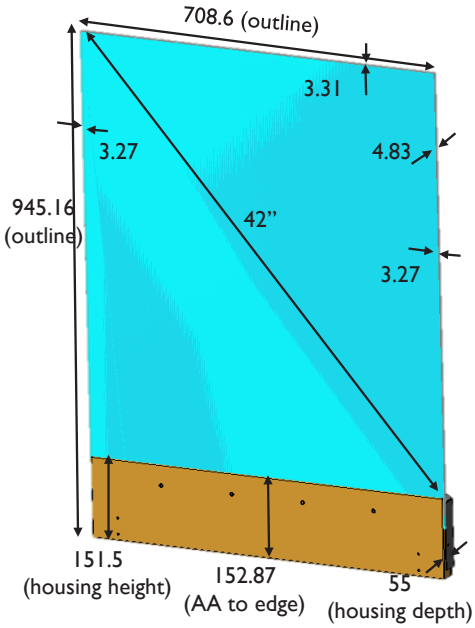
INTENDED USE/APPLICATION

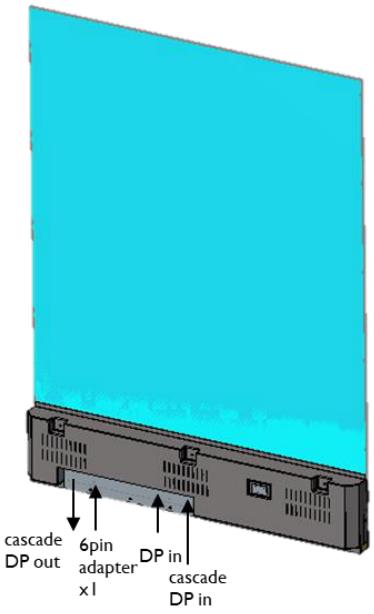
The device is to be used as a Transparent Micro-LED for indoor or semi-outdoor use to replace glass applications for retail, hospitality, transportation, automotive, aerospace and military. The I-type kits are built into glass façades, shop windows, partitions and custom housings.

Direct sunlight might increase the device temperature beyond the allowed storage and operation conditions. Therefore the devices must be protected against direct sunlight. Devices operated or stored outside the specified temperature ranges are not covered by warranty.

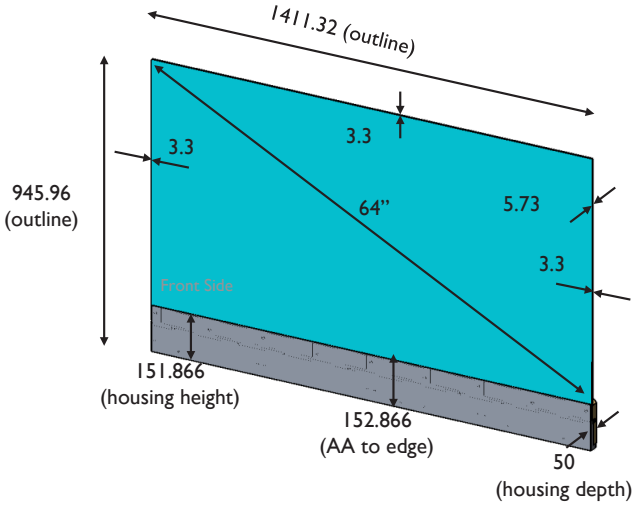
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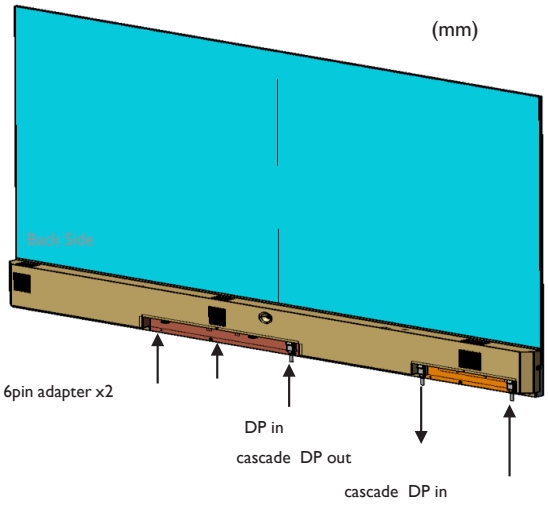
DIMENSIONS 42" (I-TYPE INTEGRATION KIT)





DIMENSIONS 64" (I-TYPE INTEGRATION KIT)





UPDATE NOTES:

Version:	Changes:
v1	First version
v2	960 × 1080, pitch 0.732 mm (AUO L416HUN02.0); configurations; corrected storage values (05.11.2026)

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