FAYTECH® 20" / 30" / 54" TRANSPARENT MICRO-LED DISPLAY (TILED SETS)

16.1" TILES · HDMI

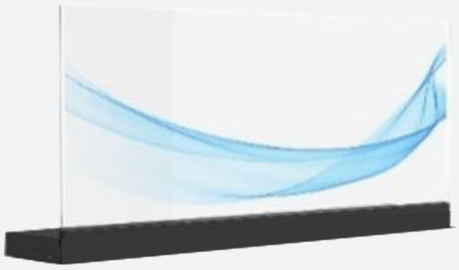
AUO Partner

20"



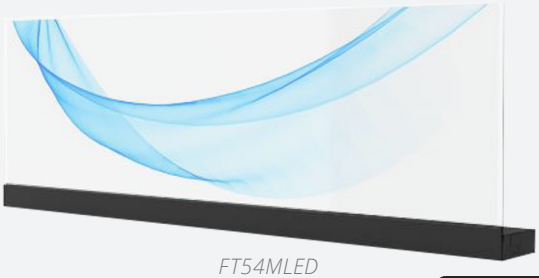
FT20MLED

30"



FT30MLED

54"



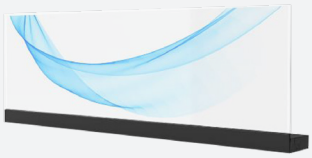
FT54MLED

SCAN ME

Prototype Datasheet (Preliminary)
05.11.2026

Pictures show sample configurations, real product may vary.

DISPLAY

	20" (19.7")	30"	54" (54.3")
Display Size [inch]			
Configuration	2 × 16.1" tiles 	4 × 16.1" tiles 	8 × 16.1" tiles 
Display Technology	AUO Transparent Micro-LED	AUO Transparent Micro-LED	AUO Transparent Micro-LED
Active Area W × H [mm]	332.16 × 373.68	664.32 × 373.68	1328.64 × 373.68
Resolution [pixel]	480 × 540	960 × 540	1920 × 540
Pixel Pitch [mm]	0.692	0.692	0.692
Aspect Ratio	8:9 (portrait)	16:9 (landscape)	32:9 (landscape)
Brightness [cd/m²]	600	600	600
Contrast Ratio	1,000,000 : 1	1,000,000 : 1	1,000,000 : 1
Transparency	60%	60%	60%
Response Time [ms]	Avg. 0.269 (G to G)	Avg. 0.269 (G to G)	Avg. 0.269 (G to G)
Frame Rate [Hz]	120	120	120
Viewing Angle U / D / L / R [°]	89 / 89 / 89 / 89	89 / 89 / 89 / 89	89 / 89 / 89 / 89
Color Gamut	DCI-P3 > 98%, Rec. 2020 > 85%	DCI-P3 > 98%, Rec. 2020 > 85%	DCI-P3 > 98%, Rec. 2020 > 85%
Display Colors	1.07B (10bit)	1.07B (10bit)	1.07B (10bit)
Display Operation Mode	Normally Black	Normally Black	Normally Black
Interface	2 × HDMI (1 per tile)	4 × HDMI (1 per tile)	8 × HDMI (1 per tile)

SURFACE / COVER GLASS

Panel Surface	Molding film (haze ≤ 4%)
Cover Glass	AF, black border (touch display kit)
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%
Usage	18 (hrs / day)

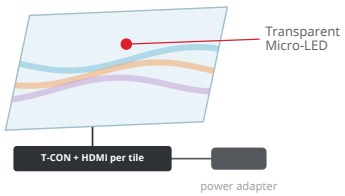
faytech Tech Co., Ltd. | Fl. 2, Bldg. 8, Winlead Intelligent Park | Shenzhen, China
www.faytech.com +86 755 89580612 sales@faytech.com
051126 | ds_2026_FT20-30-54MLED_EN | specification is subject to change

faytech

CONFIGURATIONS

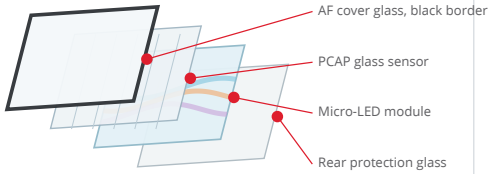
DISPLAY KIT

2 / 4 / 8 tiles · HDMI driver board per tile



TOUCH DISPLAY KIT

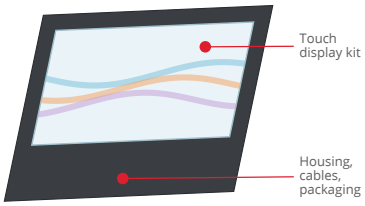
optically bonded PCAP touch · USB



front and rear glass optically bonded

TOUCH MONITOR

faytech sheet-metal housing



media player / PC not included

Configuration	Model	Scope of supply
Display Kit	FT20/30/54MLED	2 / 4 / 8 × AUO 16.1" tiled and colour-calibrated by faytech; T-CON + faytech driver board per tile (HDMI), power adapter; tested and packed
Touch Display Kit	FT20/30/54MLEDCAPOB	Display kit + PCAP touch (glass sensor, AF cover glass with black border) and rear protection glass, optically bonded; USB touch controller
Touch Monitor	FT20/30/54TMMLEDCAPOB	Touch display kit in a faytech sheet-metal housing; cables and export packaging (media player / PC not included)

POWER

	20" (19.7")	30"	54" (54.3")
Power Supply	AC 100–240 V, 50/60 Hz (adapter)	AC 100–240 V, 50/60 Hz (adapter)	AC 100–240 V, 50/60 Hz (adapter)
Power Consumption (max.)	62 W (full white)	120 W (full white)	224 W (full white)

WEIGHT & PACKAGING

	20" (19.7")	30"	54" (54.3")
Dimensions W × H × D [mm]	On request (project-specific)	On request (project-specific)	On request (project-specific)
Net Weight (modules)	~1.2 kg (2 × 0.6 kg)	~2.4 kg (4 × 0.6 kg)	~4.8 kg (8 × 0.6 kg)
Gross Weight	On request	On request	On request
Packaging Material	100% recyclable cardboard and polyethylene (PE)	100% recyclable cardboard and polyethylene (PE)	100% recyclable cardboard and polyethylene (PE)
Packaging Size L × W × H [mm]	On request	On request	On request

ACCESSORIES

Power Adapter	Included (AC 100–240 V)
Touch Cable	USB (touch display kit / monitor)
Media Player / PC	Not included

CERTIFICATIONS

CE Compliant	Yes (no certificate)
FCC Compliant	Yes (no certificate)

Certificate on request, at an additional fee.

INTENDED USE/APPLICATION

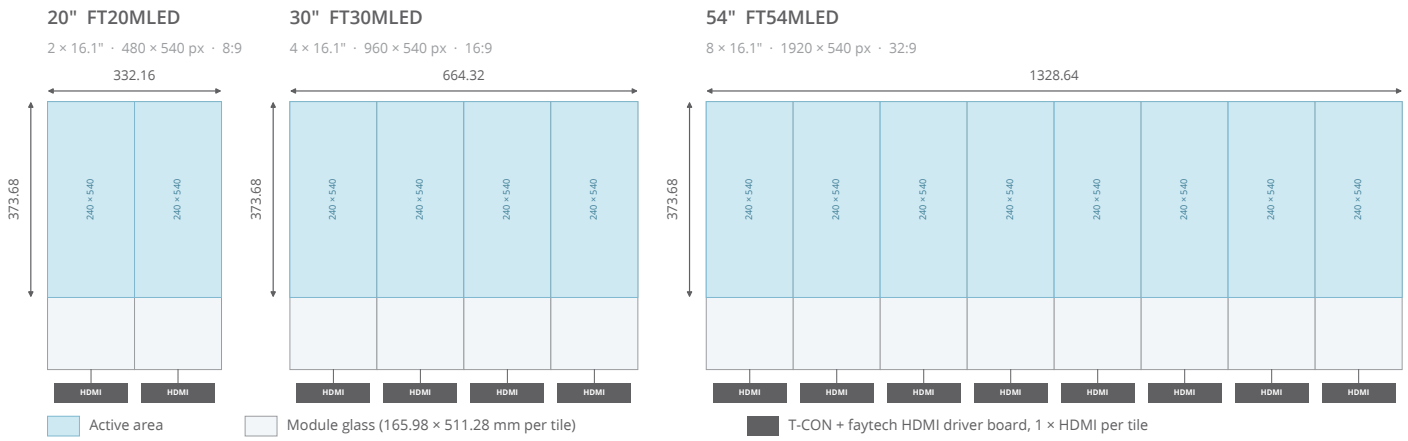
The device is to be used as a Transparent Micro-LED for indoor or semi-outdoor use to replace glass applications for retail, hospitality, transportation, automotive, aerospace and military. The tiled sets combine 2, 4 or 8 AUO 16.1" modules, tiled and colour-calibrated by faytech, for showcases, shop windows, events and exhibitions.

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.

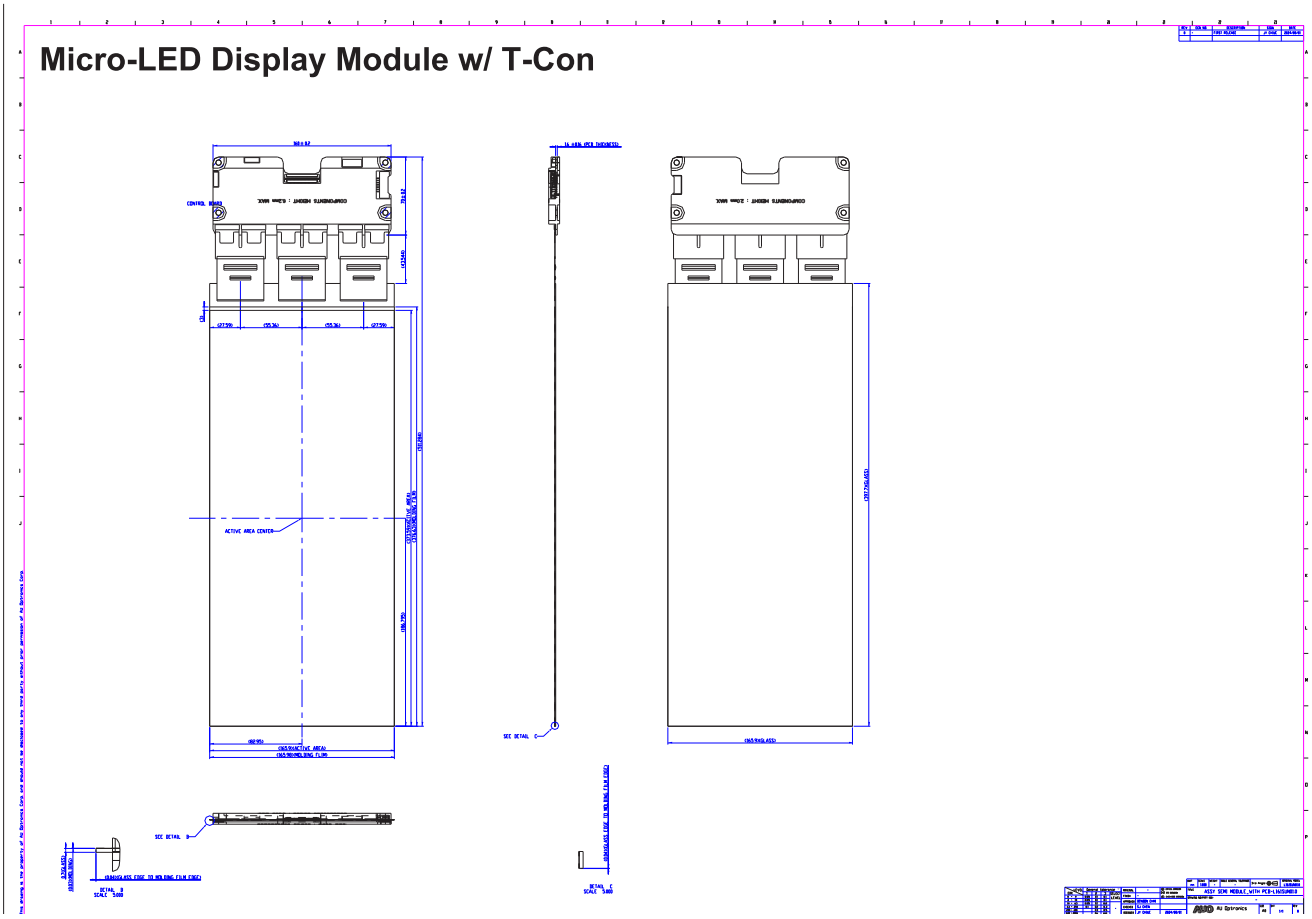
faytech Tech Co., Ltd. | Fl. 2, Bldg. 8, Winlead Intelligent Park | Shenzhen, China
www.faytech.com +86 755 89580612 sales@faytech.com
051126 | ds_2026_FT20-30-54MLED_EN | specification is subject to change

TILE LAYOUT (SCHEMATIC)

Schematic, to scale (1:14.5) · active area in mm



DIMENSIONS 16.1" MODULE (PER TILE)



UPDATE NOTES:

Version:	Changes:
v1	First version
v2	Tiled sets with faytech HDMI driver board per tile (replaces video box); configurations; tile layout; Rec. 2020 gamut (05.11.2026)

faytech Tech Co., Ltd. | Fl. 2, Bldg. 8, Winlead Intelligent Park | Shenzhen, China
www.faytech.com +86 755 89580612 sales@faytech.com
051126 | ds_2026_FT20-30-54MLED_EN | specification is subject to change