



CDS
Crystal Display Systems Ltd



FEATURES

Industry standard design
Touch through existing glass
High Bright option

SIZES

Widescreen 16:9 ratio
10.1", 19.5", 21.5", 23.8", 32"
Traditional 5:4 ratio
15", 17", 19"

PCAP+ Range OPEN FRAME "THRU-TOUCH" INDUSTRIAL MONITORS

This is a selection of Crystal Display Solution's standard touch screen monitors
Projective Capacitive touchscreen designed to work through an existing cover-glass up to 6mm

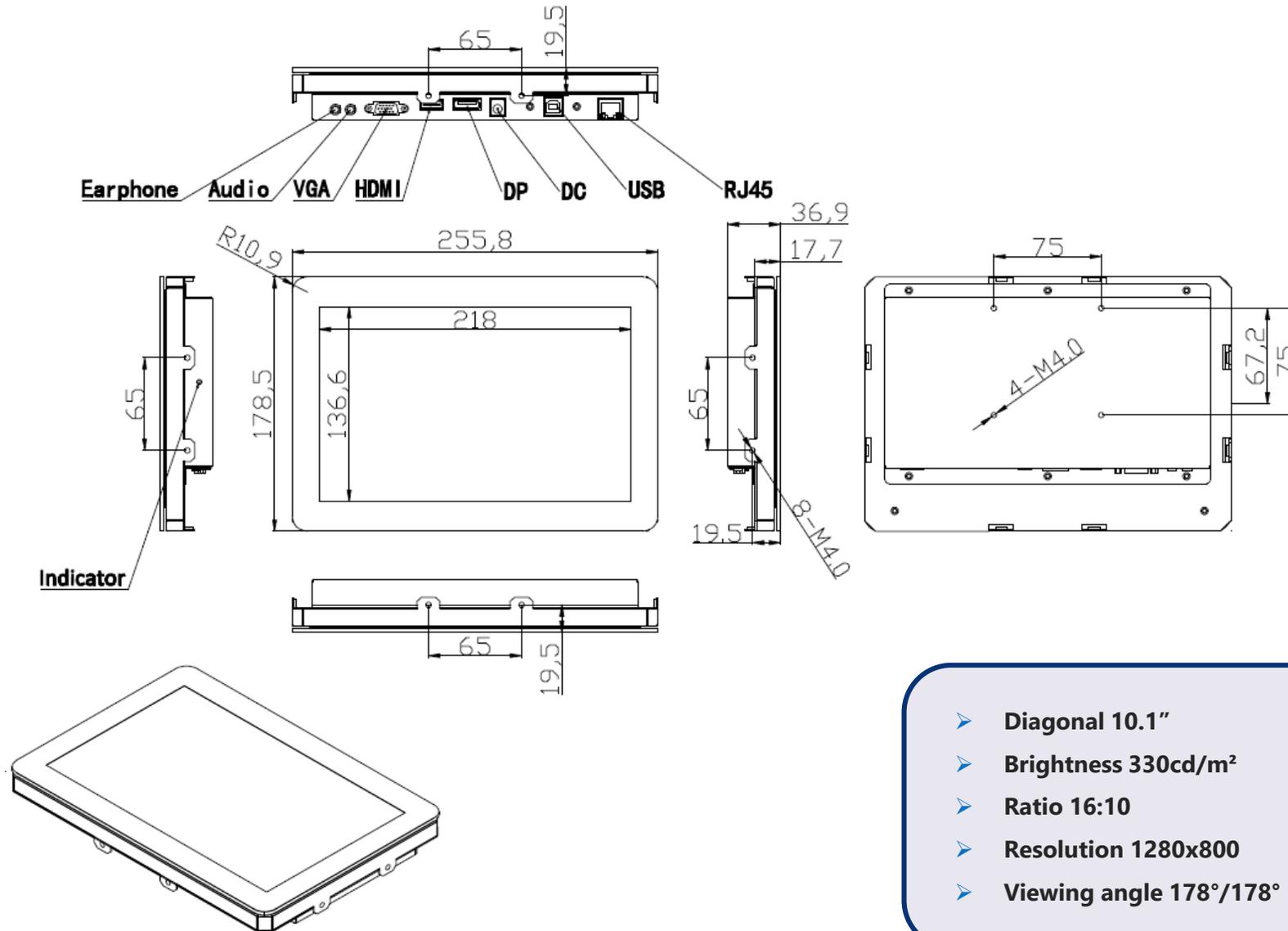
Technical specification – Traditional format

Model	MO-150-501-PCAP+	MO-170-501-PCAP+	MO-190-501-PCAP+
Diagonal (inches)	15"	17"	19"
Brightness (cd/m ²)	350	250	250
Aspect Ratio	4:3	5:4	5:4
Resolution	1024 x 768	1280 x 1024	1280 x 1024
Active Area (w x h mm)	305.1 x 299	338.9 x 271.3	377.9 x 302.3
Unit Dimensions (w x h x d mm)	358 x 284.9 x 39.2	392.2 x 327.5 x 42.8	420.1 x 348.1 x 40.7
VESA Mounting (w x h mm)	100 x 100	75 x 75 100 x 100	100 x 100
Power	Ext 12Vdc	Ext 12Vdc	Ext 12Vdc
Viewing Angle	160 / 160	170 / 160	170 / 160
Interface	VGA / DVI / DP	VGA / DVI / DP	VGA / DVI / DP

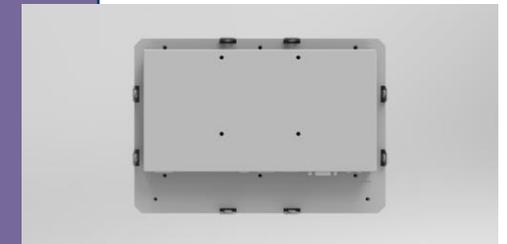
Technical specification – Widescreen format

Model	MO-101-501-PCAP+	MO-195-501-PCAP+	MO-215-501-PCAP+	MO-238-501-PCAP+	MO-320-501-PCAP+
Diagonal (inches)	10.1"	19.5"	21.5"	23.8"	32"
Brightness (cd/m ²)	330	250	250	300	300
Aspect Ratio	16:10	16:9	16:9	16:9	16:9
Resolution	1280 x 800	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Active Area (w x h mm)	218 x 136.6	436 x 239.8	477 x 269	528 x 297.5	700.4 x 394.9
Unit Dimensions (w x h x d mm)	255.8 x 178.5 x 36.9	479.2 x 285 x 40.5	516 x 311 x 40.1	569.2 x 341.1 x 39.2	746.6 x 452.4 x 59.3
VESA Mounting (w x h mm)	75 x 75	100 x 100	100 x 200	100 x 200	200 x 400
Power	Ext 12Vdc	Ext 12Vdc	Ext 12Vdc	Ext 12Vdc	Int 110-240Vac
Viewing Angle	178 / 178	178 / 178	178 / 178	178 / 178	178 / 178
Interface	VGA / DVI / DP	VGA / DVI / DP	VGA / DVI / DP	VGA / DVI / DP	VGA / DVI / DP

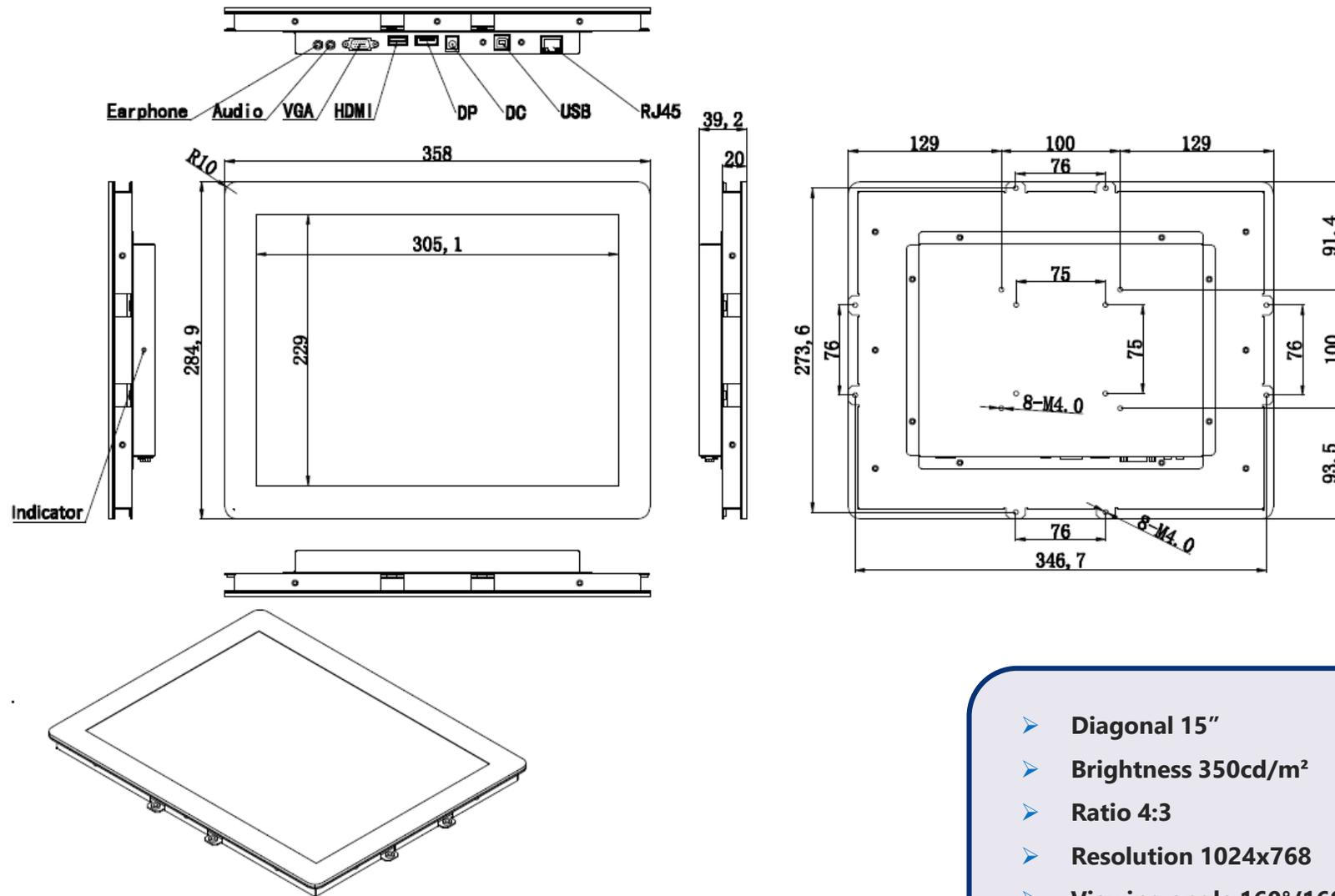
Technical drawing 10.1" MO-101-501-PCAP+



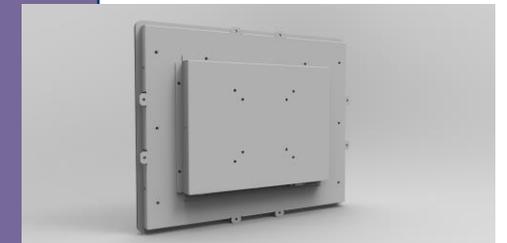
- Diagonal 10.1"
- Brightness 330cd/m²
- Ratio 16:10
- Resolution 1280x800
- Viewing angle 178°/178°



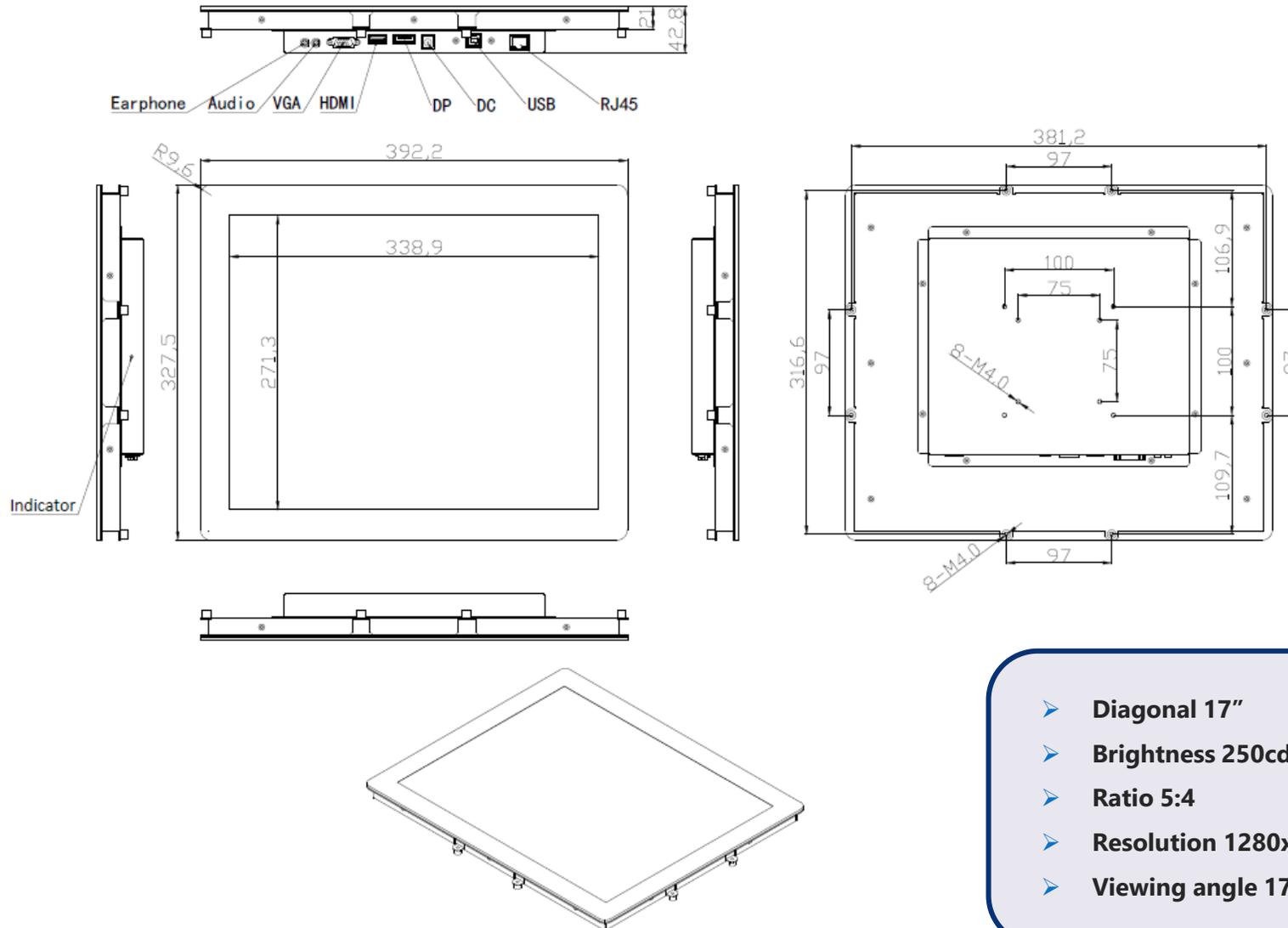
Technical drawing 15" MO-150-501-PCAP+



- Diagonal 15"
- Brightness 350cd/m²
- Ratio 4:3
- Resolution 1024x768
- Viewing angle 160°/160°



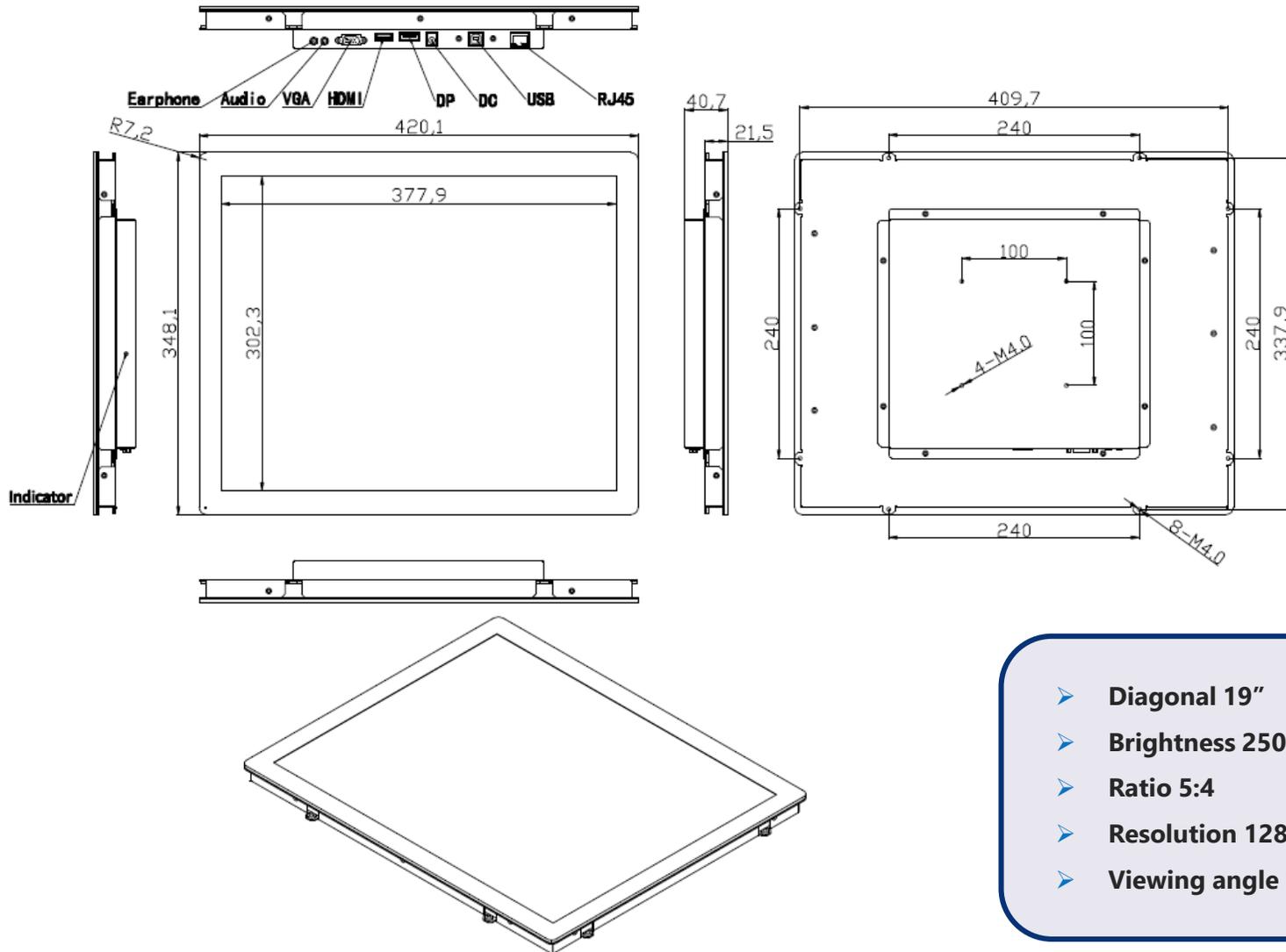
Technical drawing 17" MO-170-501-PCAP+



- **Diagonal 17"**
- **Brightness 250cd/m²**
- **Ratio 5:4**
- **Resolution 1280x1024**
- **Viewing angle 170°/160°**



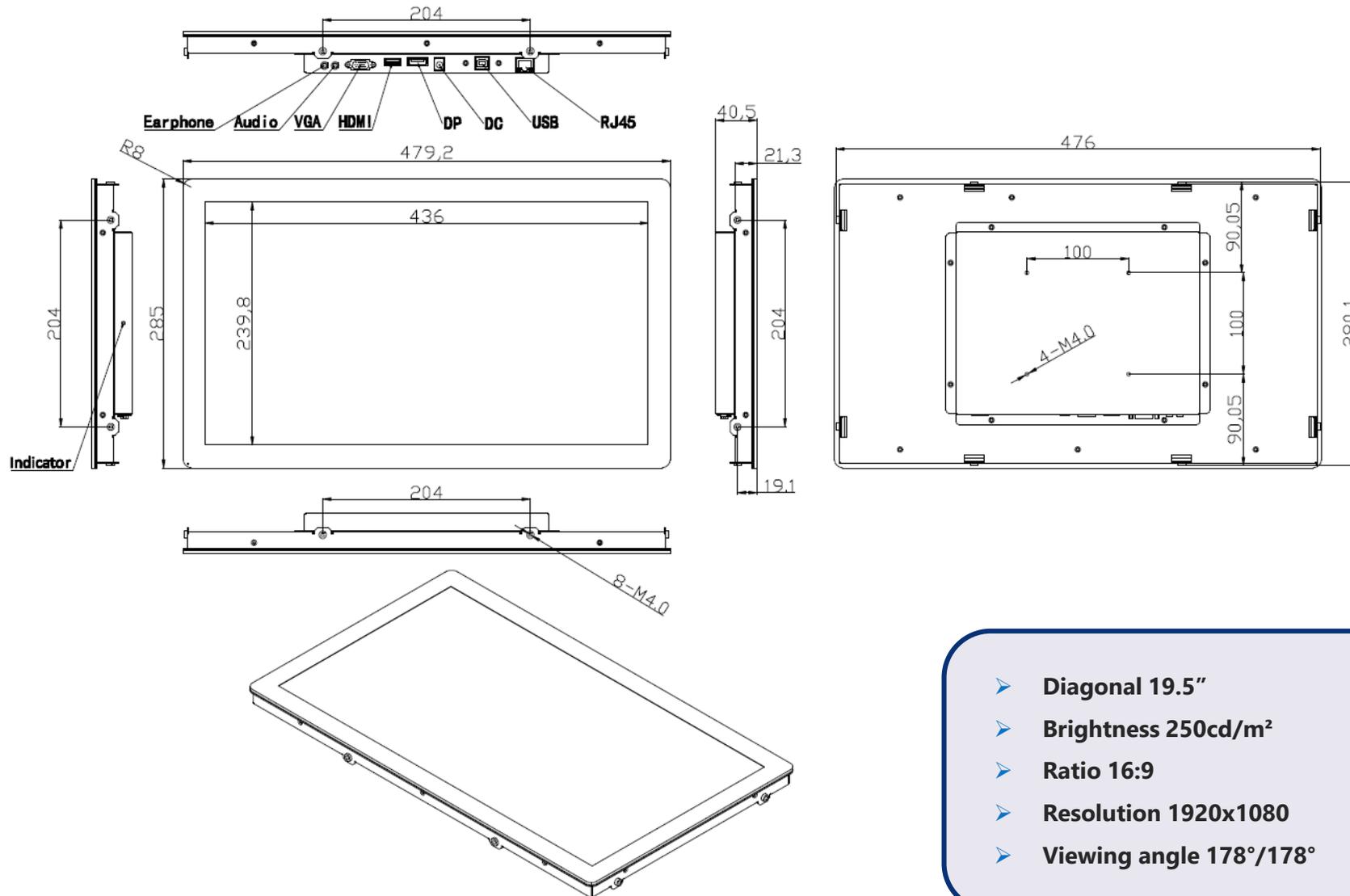
Technical drawing 19" MO-190-501-PCAP+



- Diagonal 19"
- Brightness 250cd/m²
- Ratio 5:4
- Resolution 1280x1024
- Viewing angle 170°/160°

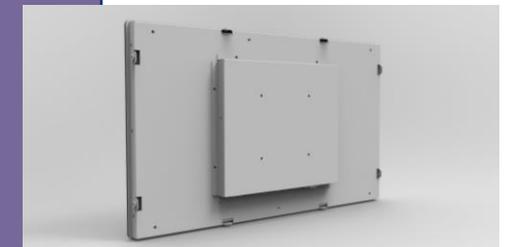
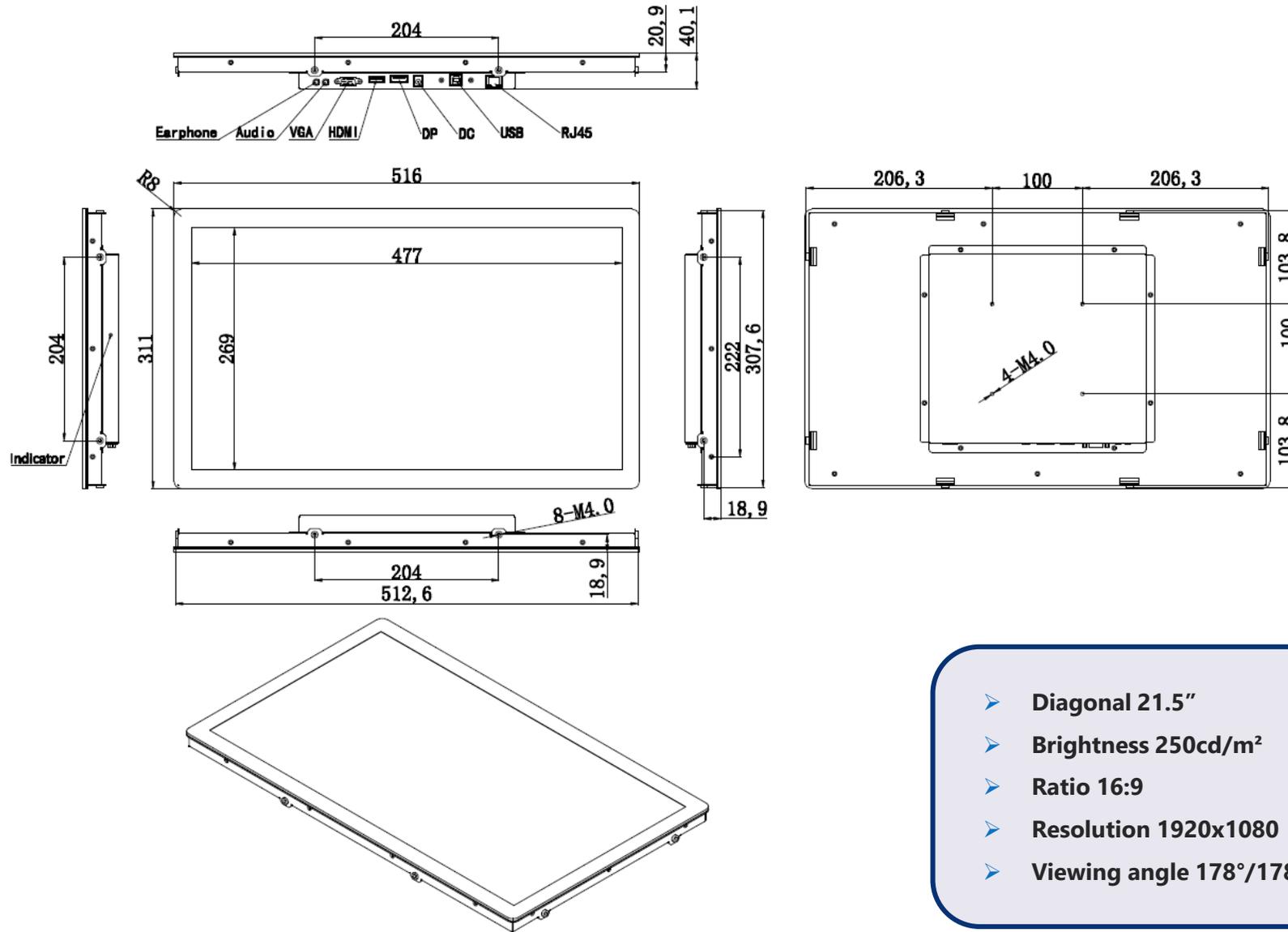


Technical drawing 19.5" MO-195-501-PCAP+



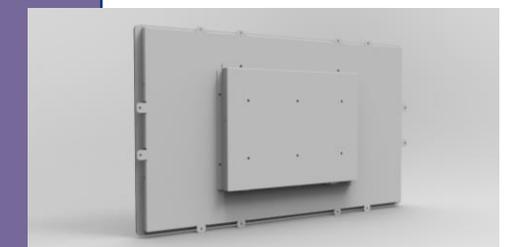
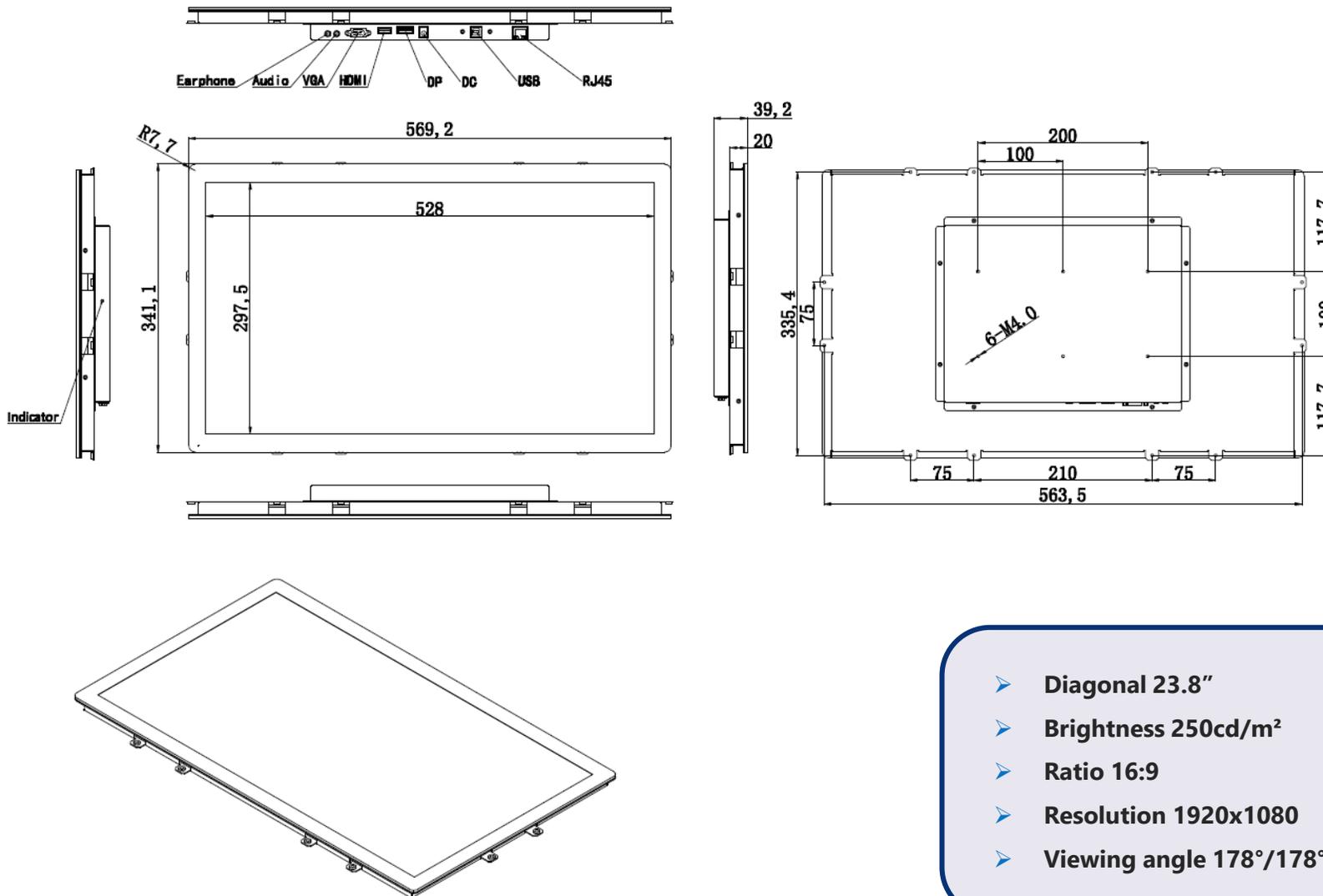
- Diagonal 19.5"
- Brightness 250cd/m²
- Ratio 16:9
- Resolution 1920x1080
- Viewing angle 178°/178°

Technical drawing 21.5" MO-215-501-PCAP+



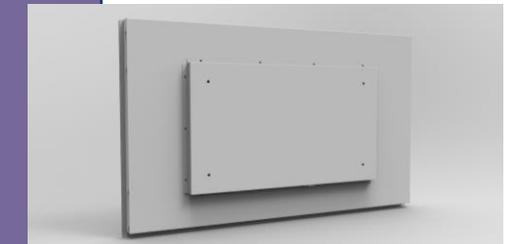
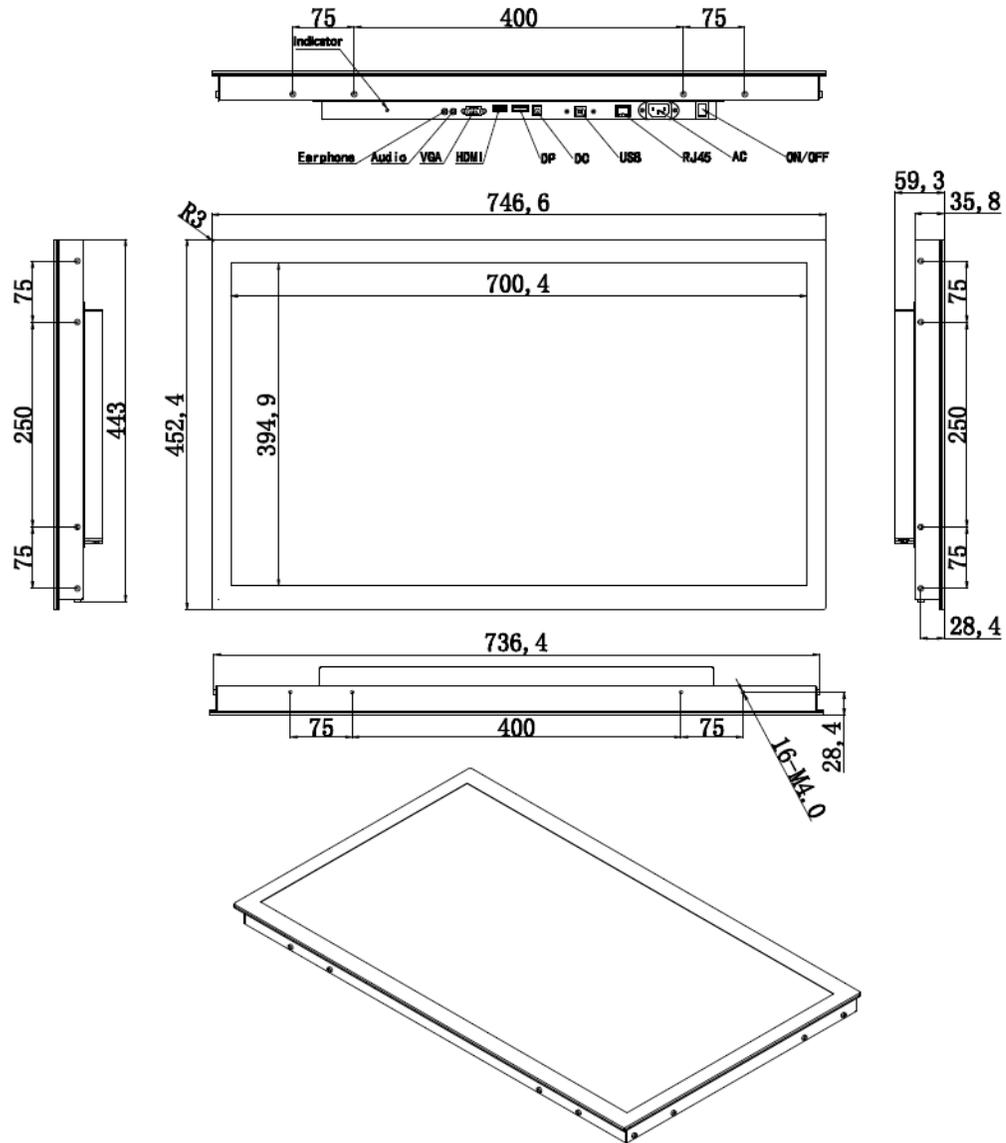
- Diagonal 21.5"
- Brightness 250cd/m²
- Ratio 16:9
- Resolution 1920x1080
- Viewing angle 178°/178°

Technical drawing 23.8" MO-238-501-PCAP+



- Diagonal 23.8"
- Brightness 250cd/m²
- Ratio 16:9
- Resolution 1920x1080
- Viewing angle 178°/178°

Technical drawing 32" MO-320-501-PCAP+



- Diagonal 32"
- Brightness 300cd/m²
- Ratio 16:9
- Resolution 1920x1080
- Viewing angle 178°/178°
- Integrated mains power supply

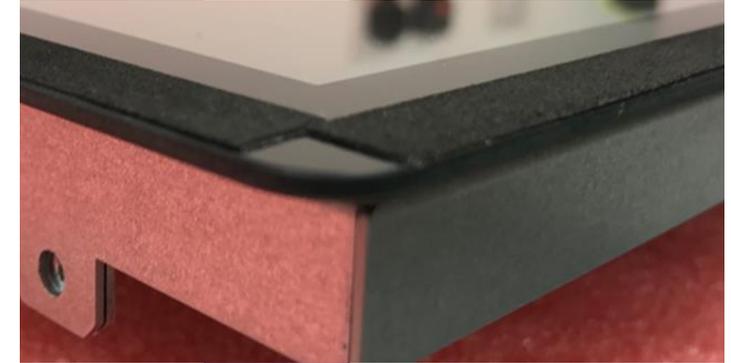
What is PCAP+ Thru Touch?

The construction

- The chassis monitor is assembled with a simple 1.8mm touch glass fitted
- This touch glass has an ultra thin 0.3mm gasket on front
- The monitor can then be mounted tight behind the max 6mm client cover glass, giving 10 point touch
- The 0.3mm gasket minimises the airgap between the touch glass and client cover glass, maximising performance and avoiding the newton ring effect

Applications

- Any solution where there is a need to have front sacrificial cover glass
- Markets include GAMING / KIOSK / PROCES CONTROL / INTERACTIVE DIGITAL SIGNAGE
- Enables simple IP rated touch technology



Options for **customisation**

- Thicker touch screen glass where through touch is not required
- Replacement of touch for glass filter when an exact non touch version is needed
- Bespoke touch glass, including shaped, oversize, branded rear printing and cut outs
- Higher bright display for high ambient light applications including in window or outside locations
- Different sizes diagonal screen available
- Integrated android media player
- Simple splash screen branding
- Tweaks to the mounting metalwork
- FULL custom design



Custom monitor builder

We have direct links with OEM factories allowing rapid development, commercially competitive and have scalable production capability. From designing a replacement for a current product through to a complete design CDS has the resource available



DEVELOPMENT
of new products through
out R&D team

AFTER SALES
Support for internal
repairs and full technical
backup

BESPOKE
Touch monitor design



Crystal Display Systems is a leading designer, distributor & value added reseller of flat panel display solutions. Our expertise allows us to offer the best solutions to our clients and partners. We offer Industrial TFT LCDs, Retail Displays, Translucent displays, Touch screens, videowalls & many other digital solutions.

RAPID
Sample production
quicker than most local
suppliers

LEADTIMES
For production excellent
compared to other
manufacturers

QUALITY
ISO9001 approved

EUROPEAN
design with Far Eastern
pricing

GLOBAL
production with factories
in CHINA / TAIWAN /
SOUTH KOREA

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