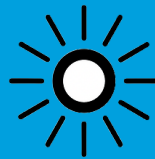


MAGNETAR

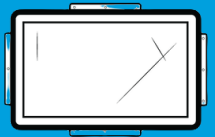
Weatherproof Touch Screen



IP65 Front Glass



1000 nits brightness



Fingerprint & Scratch Resistant

Overview

The Glory Star Magnetar Weatherproof Touch Screen is IP65 rated, dust and water resistant in the front glass. Equipped with a high brightness screen, fingerprint and scratch resistance surface makes it a true industrial grade solution. It is cost effective for system integrators who require a reliable product for indoor and outdoor applications.

Designed with reliability from the start, Glory Star's Magnetar weatherproof touch screen delivers seamless and accurate touch response with a 6H scratch resistant touch glass, that is enough to withstand demanding applications, making these products very suitable for use in public environments.

WINDOWS PLATFORM

Processors		J6412			i3- 1215U			i5- 1235U		
Model Number		MAG101 Part#J6412	MAG156 Part#J6412	MAG215 Part#J6412	MAG101 Part#1215U	MAG156 Part#1215U	MAG215 Part#1215U	MAG101 Part#1235U	MAG156 Part#1235U	MAG215 Part#1235U
Screen Size		10"	15.6"	21.5"	10"	15.6"	21.5"	10"	15.6"	21.5"
Panel Info	Resolution	1280x 800	1920 x 1080	1920 x 1080	1280x 800	1920 x 1080	1920 x 1080	1280x 800	1920 x 1080	1920 x 1080
	Brightness	1000cd/m2								
	Contrast Ratio	1300:1	1000:1	5000:1	1300:1	1000:1	5000:1	1300:1	1000:1	5000:1
	Aspect Ratio	16:10	16:9	16:9	16:10	16:9	16:9	16:10	16:9	16:9
	Active Display Area (mm)	216.96 x 135.6	344.16 x 193.59	476.64x268.11	216.96 x 135.6	344.16 x 193.59	476.64x268.11	216.96x135.6	344.16x 193.59	476.64x268.11
	Viewing Angle	85°/85° /85°/85°	89°/89° /89°/89°	89°/89° /89°/89	85°/85° /85°/85°	89°/89° /89°/89°	89°/89° /89°/89	85°/85° /85°/85°	89°/89° /89°/89°	89°/89° /89°/89°
	Response time	25ms	25ms	25ms	25ms	25ms	25ms	25ms	25ms	25ms
	Impact Rating	IK07								
Touch Data	Touch Tech	G+G Capacitive Touch 10pt IP65 Rating Optical bonded capacitive touch (touch on water or latex glove) UV Protection								
	Hardness Of Surface	≥ 6H	> 6H	> 6H	≥ 6H	> 6H	> 6H	≥ 6H	> 6H	> 6H
	Touch method	Finger touch 、 Capacitive stylus								
	Transparency	≥85%	≥86%	≥86%	≥85%	≥86%	≥86%	≥85%	≥86%	≥86%
	Touch Glass Thickness	2.75mm	2.7mm	2.7mm	2.75mm	2.7mm	2.7mm	2.75mm	2.7mm	2.7mm
	Response Time	10ms	≤ 35ms	≤ 35ms	10ms	≤ 35ms	≤ 35ms	10ms	≤ 35ms	≤ 35ms
	Bonded Panel	Yes								
	CPU& System	CPU	J6412			i3-1215U			i5-1235U	
	P-core Max Turbo Frequency	2.6GHz (CPU Turbo Boost)			4.4GHz			4.4GHz		
	E-core Max Turbo Frequency	2.0GHz (Base Frequency)			3.3GHz			3.3GHz		
	CPU Cache	1.5MB			10MB			12MB		
	BIOS	AMI UEFI BIOS								
RAM	RAM	8GB , Single Channel SO-DIMM DDR4 (Max 32GB)			8GB , Dual Channel SO-DIMM DDR4 (Max 64GB)					
ROM	Storages	For 10 inch M.2 - 2280 256GB SSD For 15 and 21 inch SATA3.0 256GB SSD			256GB, M.2 for NVME 2280 SSD					
Software	OS	Window 10 IoT Enterprise LTSC 2019 english version 64 bit), Linux 32 / 64 bit			Windows 11 64 bit, Linux 64 bit					
Display	GPU Chipset	Intel® UHD Graphics for 10th Gen			Intel Iris® Xe Graphics eligible/UHD Graphics depends on CPU					
	Display Port	DP 1.4			N/A					
Audio	Speaker	2WX 2			2WX 2					
Ethernet	Controller	10/100/1000Mbps			1 x (1000Mbps) ; 1 x (2500Mbps)					
	Connector	2 x RJ45			2 x RJ45					
	Wake on Lan	Yes			Yes					
	WIFI/ Bluetooth	IEEE 802.11a/b/n/ac, Wi-Fi compliant , Bluetooth 4.0			802.11a/b/g/n/ac/ax(PreStandard) , Bluetooth 5.0					
Storage	Slot	For 10 inch : 1x M.2 for 2280 SSD For 15 and 21 inch : 1x SATA3.0			M.2 for NVME 2280 SSD					
Housing	Material & Color	Metal Outdoor Housing with Black Matte Paint								
	Chassis	IP65 front IPX2 rear								
	Front	IP65								
	Back	IPX2								
Rear Panel I/O	USB 3.2	4xUSB 3.2			4xUSB 3.2					
	Audio	Line-out x 1; Mic-in x 1								
	LAN	2(10/100/1000Mbps)			1 x (1000Mbps) ; 1 x (2500Mbps)					
Insider PCBA	COM	5 x RS232 / 1 x RS485 (inside PCBA)			6 x RS232(default) or 5*RS232+1*RS485(COM1) (inside PCBA)					
	USB 2.0 I/O	3 x USB2.0 header (inside PCBA) Programmable 8 x GPIO (inside PCBA)			4 x USB2.0 header (inside PCBA) 8 x GPIO (inside PCBA)					
	Power	Standard Port	1 x 12V DC-IN							
Hardware Monitor	Sensor	Voltage sensor; Watchdog; Plug and Start			CPU system temperature; onboard voltage; Watchdog; and auto power on					
	Included in Box	MAGNETAR tablet, Power Adaptor, Power cable,Adjustable mounting brackets								
	Consumption	35W	45W	55W	65W	75W	85W	70W	80W	90W
	Operational Current	2.9A	3.75A	4.5A	5.4A	6.25A	7A	5.8A	6.7A	7.5A
	Power Adaptor	12V 5A	12V 5A	12V 5A	12V 7.5A	12V 10A		2V 7.5A	12V 10A	
	Operating Environment	-10℃—60℃								
	Language	Multi language								
Mounting	VESA	VESA 100								
Power Adaptor	Input	AC 100-240V, 50/60Hz								
Dimensions	Size (WxDxH)	10 inch: 278.56×197.2×40.8mm			15.6 inch: 389.45×238.74×45.8mm			21.5 inch: 523.9×315.4×46.3mm		
	Product Weight	2.5 kg	4.5 kg	6.7 kg	2.5 kg	4.5 kg	6.7 kg	2.5 kg	4.5 kg	6.7kg
	Gift Box Size	10 inch : 396 x 241 x 86 mm			15.6inch: 443 x 115 x 303 mm			21.5inch: 583 x 115 x 382mm		

	Master Carton Size	10 inch : 506x 410 x 288mm 15.6inch: 464 x 365 x 327mm 21.5inch: 604 x 248 x 406mm		
	Master Carton Weight	10 inch: 17.6kg	15.6 inch: 15kg	21.5 inch: 15.2kg
	Units per Master Carton	10 inch: 6pcs	15.6inch: 3pcs	21.5inch: 2 pcs

ANDROID PLATFORM

	Model	MAG101 Part#CT576	MAG156 Part#CT576	MAG215 Part#CT576
Screen Size	Size	10"	15.6"	21.5"
Panel Info	Resolution	1280x 800	1920 x 1080	1920 x 1080
	Brightness	1000cd/m2		
	Contrast	1300:1	1000:1	5000:1
	Aspect Ratio	16:10	16:9	16:9
	Active Display Area	216.96 x 135.6mm	344.16 x 193.59mm	476.64 x 268.11 mm
	Viewing Angle	85°/85°/85°/85°	89°/89°/89°/89°	89°/89°/89°/89°
	Response time	25ms	25ms	25ms
	Impact Rating	IK07		
Touch Data	Touch Tech	G+G Capacitive Touch 10pt IP65 Rating Optical bonded capacitive touch (touch on water or latex glove) UV Protection		
	Hardness Of Surface	≥ 6H	> 6H	> 6H
	Touch method	Finger touch 、 Capacitive stylus		
	Transparency	≥85%	≥86%	≥86%
	Touch Glass Thickness	2.75mm	2.7mm	2.7mm
	Response Time	10ms	≤35 ms	≤35 ms
	Bonded Panel	Yes		
Hardware & OS	CPU	Quad-core Cortex-A72 up to 2.2GHz, Quad-core Cortex-A53 up to1.8GHz		
	GPU	ARM Mali-G52, touted as 3x faster than the Mali-T860MP4 in the older RK3399		
	NPU	6 TOPS (Trillion Operations Per Second) of processing power		
	RAM	4GB LPDDR4X		
	ROM	32GB EMMC		
	OS	Android 15		
Software	STAROS	License Free STAROS Kiosk Lockdown App included		
	STARCONTROL	Star Control Remote Device Monitoring Free 3 months Trial		
	STARTOOL	Tool for developers to control device and Open API		
	Musea	· Digital Signage Software · Remote Creating and Managing Interactive Signage Content Remotely		
Video/ Image	Video Format	H.265, VP8, RV, WMV, AVS, H.263, Mpeg4, Up to 4K decoding, HTML5, Flash 10		
	Audio Format	MP3, WMA, AAC, etc.		
	Image Format	JPEG, BMP, PNG		
Audio	Speaker	2W x2		
Communciation	Bluetooth	BT 5.0		
WIFI	WIFI	802.11 a/b/g/n/ac/ax WiFi6 2.4GHz & 5GHz		
	Ethernet	1 x RJ45, 100/1000 LAN		
General	Color	Metal Outdoor Housing with Black Matte Paint		
	Chasis	IP65 front IPX2 rear		
	I/O	DC IN x 1; Audio_ out x 1; USB2.0×1; USB3.0×1; TYPE-C OTG×1; TF CARD×1; RJ45×1 ;1×UART; 2×GPIO; 1×Wiegand; 1×VCC-5V		
	POE	N/A		
	Included in Box	MAGNETAR Tablet, Power Adaptor, Power cable, Adjustable mounting brackets		
	Sensors	1 x Ambient light and Proximity Sensor		
	Operating Environment	-10℃—60℃		
	Language	Multi language		
Power Management	Power supply unit	External	External	External
	Power supply	12V 5A	12V 5A	12V 5A
	Power usage	12.6W typical, 2.8W stand by, 0.3W off mode	TBD	39W typical, 4W stand by, 1W off mode
Sustainability	Regulations	RoHS support		
	REACH SVHC	REACH does not contain SVHC above 0.1%: Lead		
Mounting	VESA	VESA 100		
Dimensions	Dimensions (LxWXH)	278.56×197.2×36.8mm	389.45×238.74×40.8mm	523.7×315.18×41.68mm
	Weight	2.1kg	3.43kg	5.9kg
	Box size / each pc (LxWXH)	396×241×86mm	443 x 115 x 303mm	583 x 115 x 382mm
	Master Box size (LXWXH)	506×410×288mm	464 x 365 x 327mm	604 x 248 x 406mm
	Master Box Weight	15.9kg	13.7kg	13.8kg
	Pieces/ Carton	6pcs	3pcs	2pcs

MONITOR

	Model	MAG101-M Part#MT9700	MAG156-M Part#MT9700	MAG215-M Part#MT9700
Screen Size	Size	10"	15.6"	21.5"
Panel Info	Resolution	1280x 800	1920 x 1080	1920 x 1080
	Brightness	1000cd/m2		
	Contrast	1300:1	1000:1	5000:1
	Aspect Ratio	16:10	16:9	16:9
	Active Display Area	216.96 x 135.6mm	344.16 x 193.59mm	476.64 x 268.11 mm
	Viewing Angle	85°/85°/85°/85°	89°/89°/89°/89°	89°/89°/89°/89°
	Response time	25ms	25ms	25ms
	Impact Rating	IK07		
Touch Data	Touch Tech	G+G Capacitive Touch 10pt IP65 Rating Optical bonded capacitive touch (touch on water or latex glove) UV Protection		
	Hardness Of Surface	≥ 6H	> 6H	> 6H
	Touch method	Finger touch 、 Capacitive stylus		
	Transparency	≥85%	≥86%	≥86%
	Touch Glass Thicknes	2.75mm	2.7mm	2.7mm
	Response Time	10ms	≤35 ms	≤35 ms
	Bonded Panel	Yes		
Audio	Speaker	2W x 2		
General	Color	Metal Outdoor Housing with Black Matte Paint		
	Chasis	IP65 front IPX2 rear		
	I/O	RS232 , USB 2.0		
	Display Input	VGA, DVI, 1 x 12DC In		
	Buttons	POWER、 PLUS、 MINUS、 MENU、 EXIT		
	System Support	Android, Windows and MAC OS		
	Included in Box	MAGNETAR Touchscreen, Power Adaptor, Power cable, Adjustable mounting brackets		
	Power Input	AC 100-240v, 50/60Hz		
	Operating Environment	-10°C—60°C		
	Language	Multi language		
	VESA	VESA 100		
Mounting Dimensions	Dimensions (LxWXH)	278.56×197.2×36.8mm	389.45×238.74×40.8mm	523.7×315.18×41.68mm
	Weight	2.1kg	3.43kg	5.9kg
	Box size / each pc (LxWXH)	396×241×86mm	443 x 115 x 303mm	583 x 115 x 382mm
	Master Box size (LxWXH)	506×410×288mm	464 x 365 x 327mm	604 x 248 x 406mm
	Master Box Weight	15.9kg	13.7kg	13.8kg
	Pieces/ Carton	6pcs	3pcs	2pcs

Accessories

Adjustable mounting brackets	10" Side Bracket X 2 (included in the package) 15.6" - 21.5" Side Bracket X 4 (included in the package)
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Mounting Options

Wall Mount	WM015012S
Desk Mount	FIX-027 (Foldable base bracket) (for 15.6"、 21.5"models)
	FIX-028 (Adjustable Desk Mount) (for 10"、 15.6"models)
	FIX-030 (Foldable base bracket) (for 15.6"、 21.5"models)

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