

MAGNETAR

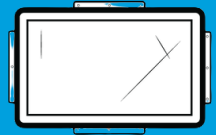
Weatherproof Touch Screen



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- 8145U			i5 8265U			
Model Number		MAG101 Part#J6412	MAG156 Part#J6412	MAG215 Part#J6412	MAG101 Part#8145U	MAG156 Part#8145U	MAG215 Part#8145U	MAG101 Part#8265U	MAG156 Part#8265U	MAG215 Part#8265U	
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)	216.96x135.6	344.16x193.59	476.64 x 268.11	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	35msec	35ms	25ms	35msec	35ms	25ms	35msec	35ms	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	10us	TBD	TBD	10us	TBD	TBD	10us	TBD	TBD	
	Bonded Panel	Yes									
CPU& System	CPU	J6412			i3-8145U			i5-8265U			
	Base Frequency	2.0GHz			2.1GHz			1.6GHz			
	CPU Turbo Boost	2.6GHz			3.9GHz			3.9GHz			
	CPU Cache	1.5MB			4MB			6MB			
BIOS	AMI 16MB UEFI BIOS										
RAM	RAM	8GB , Single Channel SO-DIMM DDR4 (Max 32GB)			8GB , Dual Channel 2 x DDR4 2400MHZ (Max 32GB)						
ROM	Storages	For 10 inch M.2 - 2280 256GB SSD For 15 and 21 inch SATA3.0 256GB SSD									
Software	OS	Window 10 IoT Enterprise LTSC 2019 english version 64 bit), Linux 32 / 64 bit									
Display	GPU Chipset	Intel® UHD Graphics for 10th Gen				Intel® HD Graphics 610/620 (Based on CPU)					
	Display Port	DP 1.4				DP.1.2					
Audio	Speaker	3WX 2									
Ethernet	Controller	RTL8111H – 10/100/1000Mbps			Intel i211/i219 – 10/100/1000Mbps						
	Connector	2 x RJ45									
	Wake on Lan	Yes									
Storage	WIFI/ Bluetooth	IEEE 802.11a/b/n/ac, Wi-Fi compliant , Bluetooth 4.0									
	Slot	For 10 inch : 1x M.2 for 2280 SSD For 15 and 21 inch : 2x SATA3.0(only 1 SATA3.0 for J6412)									
Housing	Material & Color	Metal Outdoor Housing with Black Matte Paint									
	Chassis	IP65 front IPX2 rear									
	Front	IP65									
	Back	IPX2									
Rear Panel I/O	USB 2.0	N/A			1xUSB 2.0			1xUSB 2.0			
	USB 3.0	J6412 : 4xUSB 3.0			3xUSB 3.0			3xUSB 3.0			
	Audio	Line-out x 1; Mic-in x 1									
	LAN	2(10/100/1000Mbps)									
	Display Port	(DP1.2) x 1									
Insider PCBA	COM	6 x RS232 (inside PCBA)			5 x RS232 / 1 x RS485 (inside PCBA)						
	USB 2.0	3 x USB2.0 header (inside PCBA)									
	I/O	Programmable 8 x GPIO (inside PCBA)									
	PS/2	1 x PS2_H (inside PCBA)									
	LPT	1 x LPT (inside PCBA)									
Power	Standard Port	1 x 12V DC-IN									
Hardware Monitor	Sensor	Voltage sensor; Watchdog; Plug and Start									
	Included in Box	MAGNETAR tablet, Power Adaptor, Power cable,Adjustable mounting brackets									
	Consumption	35W	45W	55W	50W	60W	70W	60W	70W	80W	
	Operational Current	2.9A	3.75A	4.5A	4.1A	5A	5.8A	5A	5.8A	6.6A	
	Power Adaptor	12V 5A			12V 7.5A						
	Operating Environment	-30°C—65°C									
	Language	Multi language									
	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#CT399	MAG156 Part#CT399	MAG215 Part#CT399
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	35msec	35ms	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	10us	TBD	TBD
	Bonded Panel	Yes		
Hardware & OS	CPU	RK3399 Hexa Core Dual core Cortex-A72 up to 1.8GHz, Quad core Cortex-A53 up to 1.4GHz		
	RAM	4GB LPDDR4		
	ROM	32GB EMMC		
	OS	Android 12		
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		
Video/ Image	Video Format	MOV, FLV, MP4, MKV, MPG, MPEG, etc		
	Audio Format	AAC, AMR, FLAC, M4A, M4R, MP2, MP3, OGG, WAV, WMA, etc.		
	Image Format	JPG, BMP, PNG, GIF, etc		
Audio	Speaker	3W x2		
Communica tion	Bluetooth	BT 5.0		
WIFI	WIFI	1000 802.11 b/g/n 2.4GHz and 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 x1; Audio out x1; USB2.0x1; USB3.0x1; TYPE-C OTGx1; TF CARDx1; RJ45x1; GPIOx1 GPIO: 1xUART1; 2xGPIO; 1xWiegand; 1xVCC-5V		
	POE	N/A		
	Included in Box	MAGNETAR Tablet, Power Adaptor, Power cable, Adjustable mounting brackets		
	Sensors	1 x Light and Distance Sensor		
	Consumption	18W	36W	46W
	Optional Current	1.5A	3A	3.8A
	Power Input	12V 5A		
	Operating Environment	-30°C—65°C		
Mounting	Language	Multi language		
	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 Pieces/ Carton	15.9kg 6pcs	13.7kg 3pcs	13.8kg 2pcs

MONITOR

	Model	MAG101 Part#CTV53	MAG156 Part#CTV53	MAG215 Part#CTV53	
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	35msec	35ms	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	10us	TBD	TBD	
		Bonded Panel	Yes		
Audio General	Speaker	3W x 2			
	Color	Metal Outdoor Housing with Black Matte Paint			
	Chasis	IP65 front IPX2 rear			
	I/O	RS232 , USB 2.0			
	Display Input	VGA, DPI, 1 x 12DC In			
	Buttons	Power, Up, Down, Menu, Auto, Lift, Right			
	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	-30°C—65°C			
		Language	Multi language		
	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	

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

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