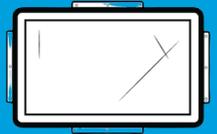# MAGNETAR
Weatherproof Touch Screen

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.

Processors		J6412		
Model Number		MAG101 Part#J6412	MAG156 Part#J6412	MAG215 Part#J6412
Screen Size		10"	15.6"	21.5"
Panel Info	Resolution	1280x 800	1920 x 1080	1920 x 1080
	Brightness		1000cd/m2	
	Contrast Ratio	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	476.64x268.11mm
	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	≤ 35ms	≤ 35ms
	Bonded Panel		Yes	
CPU& System	CPU		J6412	
	CPU Turbo Boost		2.6GHz	
	Base Frequency		2.0GHz	
	CPU Cache		1.5MB	
	BIOS		AMI UEFI BIOS	
RAM	RAM		8GB , Single Channel SO-DIMM DDR4 (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	
	Display Port		DP 1.4	
Audio	Speaker		2WX 2	
Ethernet	Controller		10/100/1000Mbps	
	Connector		2 x RJ45	
	Wake on Lan		Yes	
	WIFI/ Bluetooth		IEEE 802.11a/b/n/ac, Wi-Fi compliant , Bluetooth 4.0	
Storage	Slot		For 10 inch : 1x M.2 for 2280 SSD For 15 and 21 inch : 1x SATA3.0	
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	
	Audio		Line-out x 1; Mic-in x 1	
	LAN		2(10/100/1000Mbps)	
Insider PCBA	COM		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)	
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	
	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			
Sustainability	Regulations		RoHS support	
	REACH SVHC		REACH does not contain SVHC above 0.1%: Lead	
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
	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	

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)

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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