

Embedded Open Frame

Embedded Open Frame Touch Screen GEN Series
NO Touch/ Player/ Android/ PC



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Panel Specification	Display Size (inch)	15.6	21.5	23.8	27	32	43
	Display Ratio	16:9	16:9	16:9	16:9	16:9	16:9
	Active Area (H x V) (mm)	344x194	478x268	527x296	596x336	698x393	942x530
	Viewing Angle (H/ V)	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°
	Brightness (cd/m2)	1000 Nits					
	Contrast Ratio	800:1	1000:1	1000:1	1500:1	2000:1	2000:1
	Display Resolution	1920*1080	1920*1080	1920*1080	1920*1080	1920*1080	1920*1080

Touch Sensor (NO Touch Optional)	Type/ Points	PCAP 10P	PCAP 10P	PCAP 10P	PCAP 10P	PCAP 10P	PCAP 10P
	Size	15,6"	21,5"	23,8"	27"	32"	43"
	Active Area (mm)	387x236	478x268	527x296	652x393	765x460	997x590
	Total Thickness	5 mm	6 mm	6 mm	6 mm	6 mm	6 mm
	Version	Outdoor					
	Special Treatment	Tempered (AR Anti-Reflective/ AG Antiglare/ Bonding)					
	Interface Type	USB, (RS232)					
	Compatible O/S	Windows, Linux, Others					

Monitor Specification	Installation (VESA)	100x100	100x100	100x100	100x100	100x100	300x300
	Version/ Style	Embedded/ Outdoor					
	Interface	VGA, HDMI					
	Input Voltage	Max: 85 W/h - DC 12V -AC 100-240 V ~ (+/- 10%) 50/60 Hz					
	Media Player	-					
	Speaker	-					
	Warranty	2 Years (Panel 1 Year)					
	Certifications	CE - FCC - ROHS - Others on Demand					

PC System (Optional)	CPU	i3/ i5/ i7					
	RAM	4/ 8/ 16 Gb					
	SSD	64/ 128/ 256 Gb					
	Network	Wi-Fi, RJ45, VGA, HDMI 1.4, HDMI 2.0, 4xUSB 3.0					
	System O.S.	Windows 10 Trial					
	Other Function	-					

Android (Optional)	O.S. Version	Android 7.1.2 or higher version					
	Processor	Rockchip® 3288 (1.8GHz, Quad Core)					
	Media Formats	Video (MPG, AVI, MP4, RM, RMVB, TS), Audio (MP3, WMA), Image (JPG, GIF, BMP, PNG)					
	Media Resolutions	1920*1080					
	RAM	2 Gb					
	Flash	8 Gb EMMC					
	USB	USB 2.0					
	LAN	10M/100M Ethernet					
Wi-Fi	802.11 b/g/n Wi-Fi						

Environmental	Temperature (Commercial)	-					
	Temperature (Industrial)	Wide Industrial Panel: -20°+70°(Operating) / -45°C +85°C (Storage) -10STNI					
	Humidity	+20% +80% (Operating) / +10 +90% (Storage)					

Accessory	Included	Power Cable, Light Sensor, Microchip LED Temperature Sensor Control, USB Cabel touch, VGA Cabel, HDMI Cable					
	Others						

Type of packaging	Net Weight (Kg)	4.8 Kg (1Pcs)	8 Kg (1Pcs)	9.75 Kg (1Pcs)	11.3 Kg (1Pcs)	17 Kg (1Pcs)	32.6 Kg (1Pcs)
	Gross Weight (Kg)	7.9 Kg (1Pcs)	9.76 Kg (1Pcs)	13.4 Kg (1Pcs)	15.62 Kg (1Pcs)	22.5 Kg (1Pcs)	40.2 Kg (1Pcs)
	Net Item Size (L x W x H mm)	440x254x80	521x330x80	587x360x80	658x81x400	768x457x91	1020x600x720
	Packing Size (L x W x H mm)	525x200x370	590x180x410	527x205x475	785x185x515	950x200x630	1200x220x800

Optional	Remark 1						
	Remark 2						

Note	The new WTD industrial touch open frame series are designed to meet the needs of the various product sectors, always and in any case, in any environmental condition they have to operate. Conceived and equipped with industrial panels capable of supporting operating temperatures from -25° to +85° degrees, they always guarantee absolutely unique interactivity, revolutionizing the panorama of solutions applied to industry in the outdoor world.						
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INDUSTRIAL OPEN FRAME TOUCH SCREEN “GEN” SERIES by WTD

In outdoor solutions, the main consideration to be made is certainly to use a panel of absolutely “industrial” and not “commercial” production.

Last but not least, the type of structure that will be used remains, which must be designed in such a way that it provides a space between the panel and the touch screen, where fresh ventilated air can flow (Fresh Air). In fact, this mechanical design method will serve a lot to keep the temperature constant between the panel and the touchscreen and therefore not have the classic “Black Screen Area” effect.

Until today....

all the different players assembled an infinite number of parts and components together to create this type of solution, with inevitable costs of both labor and very prohibitive assembly times; without considering the multiple problems of breakage of all these different parts...

but **World Trade Display**, since 2022, has absolutely revolutionized the sector with its own exclusive project, where all these devices have been conceived in a single solution, that is with the new series of open frame touch called **GEN**.

where a special **Cooling Fan System** designed ad-hoc for each different size and already integrated inside it, it guarantees **constant temperature stability of 28/31 degrees centigrade**, thanks also to the special mechanical design of the product which provides for a special “Air Panel-Screen Gap”

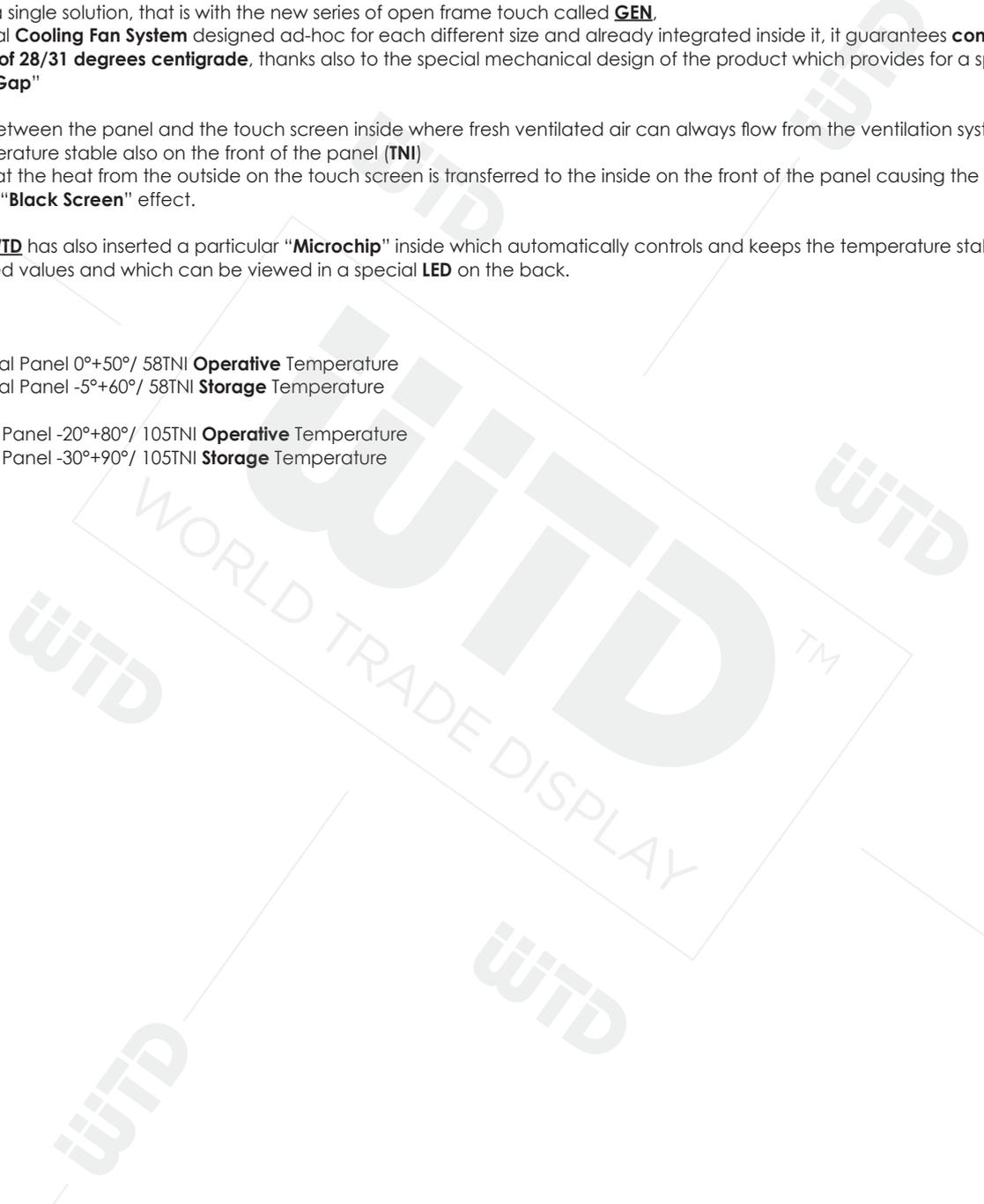
i.e., a space between the panel and the touch screen inside where fresh ventilated air can always flow from the ventilation system, thus keeping the temperature stable also on the front of the panel (**TNI**)

considering that the heat from the outside on the touch screen is transferred to the inside on the front of the panel causing the classic and very annoying “Black Screen” effect.

Furthermore, **WTD** has also inserted a particular “Microchip” inside which automatically controls and keeps the temperature stable at the aforementioned values and which can be viewed in a special **LED** on the back.

STD Commercial Panel 0°+50°/ 58TNI **Operative** Temperature
 STD Commercial Panel -5°+60°/ 58TNI **Storage** Temperature

Wide Industrial Panel -20°+80°/ 105TNI **Operative** Temperature
 Wide Industrial Panel -30°+90°/ 105TNI **Storage** Temperature



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