HIGHNESS™

One of a kind

Industrial Display

IDC185HD001-xx01-yy

8.4" Industrial Panel PC

Release Date
26th Aug 2020

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HIGHNESS MICROELECTRONICS PVT LTD.

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1. Technical Specification

Screen Size		18.5" diagonal
Active Area (H x V)		409.8 x 230.4 mm
Display Type		Active matrix TFT LCD with LED backlight
Resolution		1366 x 768
Aspect Ratio		16:9
Pixel Pitch (H x V)		300 x 300 µm
Color		16.7M colors
Viewing Angle (H / V)		170° / 160°
Luminance		250 cd/m²
Contrast		1000:1
Response Time		5 ms
In-Built System	Options	i5 Processor 3.1 Ghz, Up to 8 GB RAM, Up to 1TB HDD (250 GB SSD Optional)
		i7 Processor 2.0 Ghz, Up to 8 GB RAM, Up to 1TB HDD (250 GB SSD Optional)
Output Signal		VGA / HDMI & VGA
USB Port		2.0 x 4
Network		LAN / Wi-Fi (Optional)
AUDIO		MIC Port & Headphone
Other Communication		LPT Port & Serial Port (Optional)
Power Input		12V DC
Operating Temperature		-10° to +60° C
Storage Temperature		-20° to +70° C
Backlight Life		30,000 hours
Enclosure		MS Steel / Aluminum
Form Factor		Panel PC / Industrial Enclosure
Display Orientation		Landscape / Portrait
Mounting		VESA Standard

2. Touch Screens (Optional)

2.1 Projected Capacitive Touchscreen

Touch Screen Type	Projected Capacitive (Multi Touch)
Input Method	Finger
Transparency	≥ 80% (± 3%)
Haze	< 3%
Surface Type	Antiglare
Operating Force	10-80 g
Durability	3,000,000 touch at a single point
Hardness	> 3H
Capacitance	< 5 Nf
Supported OS	Windows & Linux.

Model Numbers / Ordering Information

Model No.	Particulars	Details
IDC185HD001-i501-yy	i5 Base Model	With i5 Processor
IDC185HD001-i701-yy	i7 Base Model	With i7 Processor
IDC185HD001-xxxx-PT	Touch Screens	Projected Capacitive Touch Screen

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(Manufacturer reserves the sole right to change the specifications without prior notice)
(Touch screen will reduce the original luminance of the LCD display)