HIGHNESS™
One of a kind

Embedded Display
12.1" Embedded Panel PC
IDE121XG001

RUGGED | BLUETOOTH | LAN | Wi-Fi | MULTI TOUCH | VESA | OUT DOOR | HIGH BRIGHTNESS | ANDROID | LINUX

Model Numbers / Ordering Information

Model No.	Particulars	Details
IDE121XG001	Base Model	-
IDE121XG001-LN	Linux Base Model	With Linux OS
IDE121XG001-AD	Android Base Model	With Android OS
IDE121XG001-xx-PT	Touch Screens	Projected Capacitive Touch Screen
IDE121XG001-xx-RT		4 Wire Resistive Analog
IDE121XG001-xx-5RT		5 Wire Resistive Analog

Industrial Automation

Technical Specification

Model		IDE121XG001
Display Type		Active matrix TFT LCD with LED backlight
Screen Size		12.1" Diagonal
Active Area (H x V)		245.76 x 184.32 mm
Aspect Ratio		4:3
Resolution		1024 x 768
Pixel Pitch (H x V)		0.24 x 0.24 mm
Viewing Angle (H, V)		160^0, 160^0
Luminance		500 cd/m^2
Contrast Ratio		700:1
Color		16.2 Millions
Response Time (Tr + Tf)		35 ms
Built in System		Processor - Quad Core Cortex-A17, up to 1.8GHz RAM - 2GB DDR3 1600MHz (4GB Max) Built in 8GB Internal Storage (32 Max) I/O Port : USB2.0, I2C, GPIO, IR Comm. : Serial, UART TTL
Operating System Support	Android	Lollipop, Marshmallow, Nougat & Oreo (Version)
	Linux	Linux (18.04) with kernel version 4.4.154
Supported Formats	Video Format	H.264, MPEG-4, MPEG-2, MPEG-1, H.263, AVI, MP4, DIV, TS, TP, TRP, MKV, MOV, DAT, ASF, WMV, RM, RMVB
	Image Format	JPEG, PNG
	Music Format	MP3, MP2, WMA, WAV
Network		Wi-Fi (up to 100 Mbps) Ethernet (100-1000 Mbps) Bluetooth
Power Input		12V DC
Operating Temperature		-10° to +60°C
Storage Temperature		-20° to +70°C
Power Consumption		27W Max
Enclosure		MS Steel / Aluminum
Mounting		VESA Standard

Touch Screens (Optional)

Touch Screen Type	Projected Capacitive (Multi Touch) / 4/5 Wire Resistive
Interface	USB
Input Method	Stylus or Finger
Supported OS	Linux & Android

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