



Full Color TFT Displays

Part Number	Resolution	Interface				Touch		Module Size W x H x T (mm)	Display Size W x H (mm)
		RS232	TTL	I2C	RS422	USB	Res.		
(e)GTT29A	320 x 102	•	•	•	•	•	•	140.00 x 38.00 x 21.95	70.08 x 22.34
(e)GTT35A	320 x 240	•	•	•	•	•	•	90.00 x 78.00 x 19.53	70.08 x 52.56
(e)GTT38A	480 x 116	•	•	•	•	•	•	140.00 x 38.00 x 19.55	95.04 x 22.97
(e)GTT43A	480 x 272	•	•	•	•	•	•	135.10 x 80.50 x 17.10	95.04 x 53.86
(e)GTT50A	800 x 480	•	•	•	•	•	•	142.00 x 90.00 x 17.00	108.00 x 64.80
GTT52B*	480 x 128	•	•	•	•	•	•	180.00 x 65.00 x 20.00	127.15 x 33.91
(e)GTT70A	800 x 480	•	•	•	•	•	•	185.00 x 102.00 x 18.80	153.84 x 85.63

*Product not yet released. Custom sizes and designs are available upon request.



Character LCD

Intelligent Series



Part Number	Characters x Lines	Interface				Keypad (Max keys)	GPOs	Display Size W x H (mm)	Color Options	Options
		RS232	TTL	I2C	RS422	USB				
LCD0821	8 x 2	•	•	•	•	•	N/A	27.80 x 11.50	XX, WB, GW, IY, R	-E, -V
LCD2041	20 x 4	•	•	•	•	•	N/A	70.40 x 20.80	XX, WB, GW, IY, R	-E, -V, -VPT
LK162-12	16 x 2	•	•	•	•	•	12	56.20 x 11.50	XX, WB, GW, IY, R	-E, -V
LK162A-4T*	16 x 2	•	•	•	•	•	4	48.20 x 8.90	XX, WB, FGW, TCI	-E
LK162B-7T*	16 x 2	•	•	•	•	•	7	56.20 x 11.50	XX, WB, FGW	-E, -V
LK202-25	20 x 2	•	•	•	•	•	25	73.50 x 11.50	XX, WB, GW, IY, R	-E, -V
LK204-25	20 x 4	•	•	•	•	•	25	70.40 x 20.80	XX, WB, GW, IY, R	-E, -V, -VPT
LK204-7T-1U*	20 x 4	•	•	•	•	•	7	77.30 x 23.60	WB, GW, TCI, YG	-E, -LV
LK402-25	40 x 2	•	•	•	•	•	25	147.50 x 11.50	XX	-E, -VPT
LK404-25	40 x 4	•	•	•	•	•	25	140.45 x 23.16	XX	-E, -VPT

*Has 3 red/green bi-color LEDs ** Standard temperature range is 0° to +50°C, voltage is +5Vdc ±0.25V

Option	-E	-LV	-V	-VPT
Description	Extended Temperature -20° to +70°C	Low Voltage 3.3Vdc	Wide Voltage 9-15Vdc	Efficient Wide Voltage 9-35Vd

Color Ext.	Text	Background
XX*	Black	Yellow/Green
WB	White	Blue
GW	Grey	Grey/White
IY	Yellow	Black
R	Red	Black
FGW**	Dark Grey	Grey/White
TCI	Tri-Color	Black
FA	Amber	Black
FB	Blue	Black
FG	Green	Black

* No Extension, ** FFSTN

Economy Series



Part Number	Characters x Lines	Interface				GPOs	Module Size W x H x T (mm)	Display Size W x H (mm)	Color Options											
		RS232	TTL	I2C	USB				YX	BW	WB	XY	XR	FA	FB	FG	FW			
MOS-AL162A	16 x 2	●	●			3	80.00 x 36.00 x 25.60	56.20 x 11.50	●	●	●	●	●							
MOS-AL162F	16 x 2	●	●			3	69.00 x 21.50 x 23.00	47.56 x 11.00	●											
MOS-AL202C	20 x 2	●	●			3	116.00 x 37.00 x 26.10	73.50 x 11.50	●	●	●	●	●	●	●	●	●	●	●	●
MOS-AL204B	20 x 4					3	146.00 x 62.50 x 26.60	118.84 x 38.47	●											
MOS-AL242A	24 x 2	●	●			3	118.00 x 36.00 x 27.50	88.30 x 11.50	●											
MOI-AL162A	16 x 2			●		3	80.00 x 36.00 x 25.60	56.2 x 11.50	●	●	●	●	●							
MOI-AL202C	20 x 2			●		3	116.00 x 37.00 x 26.10	73.50 x 11.50	●	●	●	●	●	●	●	●	●	●	●	●
MOI-AL204B	20 x 4			●		3	146.00 x 62.50 x 26.60	118.84 x 38.47	●											
MOI-AL242A	24 x 2			●		3	118.00 x 36.00 x 27.50	88.30 x 11.50	●											
MOU-AL162A	16 x 2			●		3	80.00 x 36.00 x 25.60	56.20 x 11.50	●	●	●	●	●							
MOU-AL202C	20 x 2			●		3	116.00 x 37.00 x 26.10	73.50 x 11.50	●	●	●	●	●	●	●	●	●	●	●	●
MOU-AL204B	20 x 4			●		3	146.00 x 62.50 x 26.60	118.84 x 38.47	●											
MOU-AL242A	24 x 2			●		3	118.00 x 36.00 x 27.50	88.30 x 11.50	●											

Color Ext.	Text	Background
YX	Black	Yellow/Green
BW	White	Blue
WB	Light Blue	Grey/White
XY	Yellow	Black
XR	Red	Black
FA	Amber	Black
FB	Blue	Black
FG	Green	Black
FW	White	Black

Parallel Series



Part Number	Characters x Lines	Module Size W x H x T (mm)	Display Size W x H (mm)	Color Options											
				BYFY	BBTV	BGFV	BBTV	BFTV	BFTV	BFTV	BFTV	BFTV	BFTV	BFTV	BFTV
MOP-AL082B	8 x 2	58.00 x 32.00 x 14.00	27.81 x 11.50	•	•	•	•	•	•	•	•	•	•	•	•
MOP-AL162A	16 x 2	80.00 x 36.00 x 14.00	56.20 x 11.50	•	•	•	•	•	•	•	•	•	•	•	•
MOP-AL202C	20 x 2	116.00 x 37.00 x 14.50	73.50 x 11.50	•	•	•	•	•	•	•	•	•	•	•	•
MOP-AL204A	20 x 4	98.00 x 60.00 x 15.00	70.40 x 20.80	•	•	•	•	•	•	•	•	•	•	•	•
MOP-AL204B	20 x 4	146.00 x 62.50 x 13.00	118.84 x 38.47	•	•	•	•	•	•	•	•	•	•	•	•
MOP-AL242A	24 x 2	118.00 x 36.00 x 14.00	88.30 x 11.50	•	•	•	•	•	•	•	•	•	•	•	•
MOP-AL402A	40 x 2	182.00 x 33.50 x 13.00	147.50 x 11.50	•	•	•	•	•	•	•	•	•	•	•	•
MOP-AL404C	40 x 4	190.00 x 54.00 x 14.00	140.45 x 23.16	•	•	•	•	•	•	•	•	•	•	•	•

Color Ext.	Text	Background
BYFY	Black	Yellow/Green
BBTV	White	Blue
BGFV	Light Blue	Grey/White
BBTV	Yellow/Green	Black
BBTV	Red	Black
BFTV	Amber	Black
BFTV	Blue	Black
BFTV	Green	Black
BFTV	White	Black
BYRN	Black	Yellow/Green No Backlight

Graphic OLED

Part Number	Cols x Rows	Interface	Keys	GPOs	Module Size	Pixel Size	Display Size	Options
GOK12832A-25-SM-OY	128 x 32	RS232, TTL, I2C	25	2	86.10 x 35.10 x 17.70	0.41 x 0.39	62.00 x 24.00	-E, -VS, -LV



Available Options: -LV: Low Voltage 3.3Vdc, -VS: Super Wide Voltage 5-15Vdc, -E: Extended Temperature -40° to +80°C

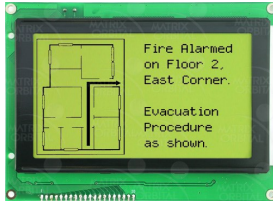


Graphic LCD

Intelligent Series



GLK19264A-7T-1U-FGW



GLK240128-25

Part Number	Resolution	Interface				Keypad (Max keys)	GPOs	Module Size W x H x T (mm)	Display Size W x H (mm)	Color Options						Options			
		RS232	TTL	I2C	USB					XX	WB	FGW	YGV	TCI	GW	-E	-LV	-VPT	-VS
GLK12232A-25-SM	122 x 32	•	•	•	•	25	2	86.10 x 35.10 x 20.67	53.64 x 15.64	•	•	•	•	•	•	•	•	•	•
GLK12232-25	122 x 32	•	•	•	•	25	2	98.00 x 60.00 x 20.10	69.50 x 20.50	•	•	•	•	•	•	•	•	•	•
GLK19264A-7T-1U	192 x 64	•	•	•	•	7	6	142.00 x 38.00 x 34.40	74.85 x 24.93	•	•	•	•	•	•	•	•	•	•
GLK240128-25	240 x 128	•	•	•	•	25	6	144.00 x 104.00 x 29.70	107.95 x 57.55	•	•	•	•	•	•	•	•	•	•
GLK24064-25	240 x 64	•	•	•	•	25	6	180.00 x 65.00 x 30.90	127.16 x 33.88	•	•	•	•	•	•	•	•	•	•
GLK24064R-25-1U	240 x 64	•	•	•	•	25	6	138.00 x 38.00 x 28.21	93.57 x 24.93	•	•	•	•	•	•	•	•	•	•
Color Ext. XX*(No Extension) WB FGW YGV TCI GW Text Black White Dark Grey Black Tri Color Grey Background Yellow/Green Blue Grey/White Yellow/Green Black Grey/White																			

Available Options:

-VS: Super Wide Voltage 5-15Vd
(Others as previous products)

Parallel Series



MOP-GL12864F-BBTW

Part Number	Resolution	Module Size W x H x T (mm)	Display Size W x H (mm)	Color Options					Color Extension	Text	Background
				BYFY	BBTW	BGFW	BWFW	BSSX			
MOP-GL12232D	122 x 32	65.00 x 27.00 x 12.00	60.20 x 18.00	•	•	•	•	•	BYFY	Black	Yellow/Green
MOP-GL12864F	128 x 64	75.00 x 52.70 x 9.00	60.00 x 32.00	•	•	•	•	•	BBTW	White	Blue
MOP-GL240128D	240 x 128	144.00 x 104.00 x 15.00	114.00 x 64.00	•	•	•	•	•	BGFW	Grey	Grey/White
MOP-GL24064A	240 x 64	180.00 x 65.00 x 16.00	132.20 x 39.20	•	•	•	•	•	BWFW	Blue	Grey
MOP-GL24064R	240 x 64	112.00 x 38.00 x 31.00	98.00 x 28.40	•	•	•	•	•	BSSX	Tri-Color	Black

Graphic Touch LCD

Intelligent Series



GLT240128-FGW

Part Number	Columns x Rows	Interface				GPOs	Module Size W x H x T (mm)	Display Size W x H (mm)	Color Options					Options			
		RS232	TTL	I2C	RS422				USB	XX	WB	GW	TCI	FGW	-VPT	-VS	-LV
GLT12232A-SM	122 x 32	●	●	●		●	2	86.10 x 35.10 x 23.02	53.64 x 15.64	●	●	●	●		●	●	●
GLT24064	240 x 64	●	●	●	●	●	6	180.00 x 65.00 x 30.90	127.16 x 33.88	●	●			●	●		
GLT24064R-1U	240 x 64	●	●	●	●	●	6	138.00 x 38.00 x 26.91	93.57 x 24.93		●		●	●	●		
GLT240128	240 x 128	●	●	●	●	●	6	144.00 x 104.00 x 27.80	107.95 x 57.55	●	●				●		

Available Options: **-LV:** Low Voltage 3.3Vdc, **-VS:** Super Wide Voltage 5-15Vdc, **-VPT:** Efficient Wide Voltage - 9-35Vdc

Parallel Series

Part Number	Resolution	Module Size(mm)	Display Size (mm)	Color Options
MOP-GLT240128D	240 x 128	144.00 x 104.00 x 16.53	114.00 x 64.00	-BBTW, -BGFW, -BYFY



Character OLED



OK204-25-OW

Part Number	Characters x Lines	Interface				Keypad (Max Keys)	GPOs	Module Size W x H x T (mm)	Display Size W x H (mm)	Color Options				Options			Color Ext.	Text	Background	
		RS232	TTL	I2C	USB					RS422	OB	OG	OR	OW	OY	⏏				-V
OLED0821	8 x 2	●	●	●		N/A	1	58.00 x 32.00 x 22.40	38.00 x 16.00				●	●	●	●	●	OB	Blue	Black
																		OG	Green	Black
OK162-12	16 x 2	●	●	●	●	12	7	80.00 x 36.00 x 25.10	66.00 x 16.00				●	●	●	●	●	OR	Red	Black
OK202-25	20 x 2	●	●	●	●	25	6	116.00 x 37.00 x 25.00	85.00 x 18.60				●	●	●	●	●	OW	White	Black
OK204-25	20 x 4	●	●	●		25	6	98.00 x 60.00 x 26.10	77.00 x 25.20				●	●	●	●	●	OY	Yellow	Black

Available Options: **-E:** Extended Temperature -40° to +85°, **-LV:** Low Voltage 3.3Vdc, **-VS:** Super Wide Voltage 5-15Vdc, **-VPT:** Efficient Wide Voltage - 9-35Vdc

Character VFD

Intelligent Series



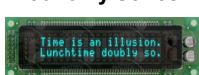
VFD2041

Part Number	Chars x Lines	Interface				Keypad	GPOs	Module Size W x H x T (mm)	Display Size W x H (mm)	Options		
		RS232	TTL	I2C	USB					-E	-V	-VPT
VFD2041	20 x 4	•	•	•	•	N/A	3	98.00 x 60.00 x 24.40	70.80 x 20.90	•	•	•
VK162-12	16 x 2	•	•	•	•	12 Key	7	80.00 x 36.00 x 27.67	51.40 x 11.40	•	•	•
VK202-25	20 x 2	•	•	•	•	25 Key	6	116.00 x 37.00 x 29.48	70.80 x 11.50	•	•	•
VK204-25	20 x 4	•	•	•	•	25 Key	6	98.00 x 60.00 x 28.98	70.80 x 20.90	•	•	•

Available Options:

-E: Extended Temperature -40° to +85°C
-V: Low Voltage 3.3Vdc
-VPT: Efficient Wide Voltage - 9-35Vdc

Economy Series



MOU-AV202C

Part No.	Ch x Ln	Interface	GPOs	Module Size(mm)	Display Size(mm)
MOS-AV162A-NT3SE	16 x 2	-RS232,-TTL	3	116.00 x 37.00 x 20.10	51.40 x 11.40
MOS-AV202C-NT3SE	20 x 2	-RS232,-TTL	3	116.00 x 37.00 x 22.00	70.80 x 11.50
MOI-AV162A-NT3IE	16 x 2	-I2C	3	116.00 x 37.00 x 20.10	51.40 x 11.40
MOI-AV202C-NT3IE	20 x 2	-I2C	3	116.00 x 37.00 x 22.00	70.80 x 11.50
MOU-AV162C-NT3SJ	16 x 2	USB	3	116.00 x 37.00 x 20.10	51.40 x 11.40
MOU-AV202C-NT3SJ	20 x 2	USB	3	116.00 x 37.00 x 22.00	70.80 x 11.50

Parallel Series

Part No.	Chars x Lines	Display Size(mm)
MOP-AV162A-BNINN	16 x 2	51.40 x 11.40
MOP-AV202C-BNINN	20 x 2	70.80 x 11.50
MOP-AV204A-BNINN	20 x 4	70.80 x 20.90

*VFD Filters are available for the 20x2 and 20x4



MOP-AV162A-BNINN

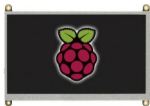


MOP-AV202C-BNINN



HTT Displays

The HTT Displays are plug and play Embedded HDMI HMI TFT display with a USB touch screen interface.



HTT70A



HTT70G

Models	Size	Resolution	Headers		Touch			Voltage			
			H5	H6	TPN	TPR	TPC	-V5	-VS	-V	-VPT
HTT101F	10.1"	1280 x 800	•	•	•	•			•		
HTT101G	10.1"	1280 x 800	•	•			•			•	
HTT50A	5.0"	800 x 480	•	•	•	•	•	•			•
HTT50G	5.0"	800 x 480	•	•			•	•			•
HTT70A	7.0"	800 x 480	•	•	•	•	•	•			•
HTT70G	7.0"	800 x 480	•	•			•	•			•
HTT104A	10.4"	1024 x 100	•	•	•	•		•			•

Headers Options:

-H5: Horizontal -H6: Vertical

Touch Options:

-TPN: NON-Touch -TPR: Resistive touch -TPC: Capacitive touch

Voltage Options:

-V5: 5Vdc -VS: 5-15Vdc -V: 9-15Vdc -VPT: 5-35Vdc

Back Light Options:

-BLH: High back light -BLM: medium back light

EVE2/EVE3 Series

The EVE/EVE2/EVE3 controller allows fast development of SPI TFT and QSPI TFT displays to almost any micro-controller to create HMI/GUI systems.



EVE3-70A



EVE2-38A



EVE2-38G

Models	Size	Resolution	Touch			Models	Size	Resolution	Touch			Models	Size	Resolution	Touch		
			TPN	TPR	TPC				TPN	TPR	TPC				TPN	TPR	TPC
EVE2-29A	2.9"	320 x 102	•			EVE2-50A	5.0"	800 x 480	•	•		EVE3-38G	3.8"	480 x 116			•
EVE2-35A	3.5"	320 x 240	•	•		EVE2-50G	5.0"	800 x 480			•	EVE3-43A	4.3"	480 x 272	•	•	
EVE2-35G	3.5"	320 x 240			•	EVE2-70A	7.0"	800 x 480	•	•		EVE3-43G	4.3"	480 x 272			•
EVE2-38A	3.8"	480 x 116		•		EVE2-70G	7.0"	800 x 480			•	EVE3-50A	5.0"	800 x 480	•	•	
EVE2-38G	3.8"	480 x 116			•	EVE3-35A	3.5"	320 x 240	•	•		EVE3-50G	5.0"	800 x 480			•
EVE2-43A	4.3"	480 x 272	•	•		EVE3-35G	3.5"	320 x 240			•	EVE3-70A	7.0"	800 x 480	•	•	
EVE2-43G	4.3"	480 x 272			•	EVE3-38A	3.8"	480 x 116		•		EVE3-70G	7.0"	800 x 480			•

NOR Flash Options (for EVE3 series): -F0: 0Mb SPI NOR Flash -F32: 32Mb Quad SPI NOR Flash -F128: 128Mb Quad SPI NOR Flash

VFD Filters

Product	Size	Description
GRY202A	2 x 20	Circular Polarized and hard coated Gray
GRY204	4 x 20	
BLU204	4 x 20	Standard Blue Filter
GRN202A	2 x 20	Standard Green Filter
GRN204	4 x 20	
RED202A	2 x 20	Standard Red Filter
RED204	4 x 20	

VFD Filters

A VFD will wash out in direct sunlight. The advantage of a filter is to provide better contrast and protection for the VFD. There are two main types: Circular and regular polarized. Circular polarized come in gray and are hard coated providing the ultimate outdoor filter. The regular filters are a less expensive solution for indoor VFD's, but still can be used outdoors. This, however, will not provide the same protection as the gray ones. All filters are available in 2 x 20 and the 4 x 20 sizes.



Enclosed Display

Two types enclosures to meet your needs, a lightweight durable plastic (-PL) and a rugged metal (-MT). Control of these LCD displays has been simplified to a set of commands delivered by RS232 or USB. 7 key tactile keypad and 3 tri-color indicator LED's.



ELK204-7T-PL / ELK204-7T-MT:

20x4 enclosed character display .

Model	-GW	-TCI	-WB	-YG
Backlight Color	White	Black	Blue	Yellow/Green
Text Color	Gray	Tri-Color	White	Gray

EGLK19264A-7T-PL / EGLK19264A-7T-MT:

192x64 enclosed graphic LCD display .

Model	-FGW	-TCI	-WB	-YG
Backlight Color	Grey/White	Black	Blue	Yellow/Green
Text Color	Black	Tri-Color	White	Gray

GX Series



GX2406A LCD display with black aluminum bay insert

Pixels: 240 x 64

Active Area: 93.57 x 24.93 mm

Interface: USB

Supply Current: 311 mA

Model	-WB	-TCI	-FGW
Backlight Color	Blue	TriColor	White
Text Color	White	Black	Gray

Available options:

-BBI (3ft A to B Mini USB cable)

-MCE remote