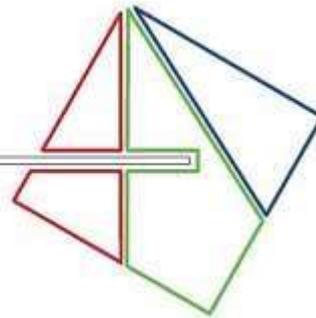


 優潔光科技股份有限公司

UJ Light Technologies Corporation



# UART TFT LCD Product Line

# Monochrome



Different  
**Texture**



# Color



Different  
**Functions**





# Market Trend

# Monochrome

# Start change to

# Color



# Advantages of

# Color

- ✓ With better product competitiveness
- ✓ Cater to market demand
- ✓ Value-Added
- ✓ Improve product performance
- ✓ Price is similar to monochrome

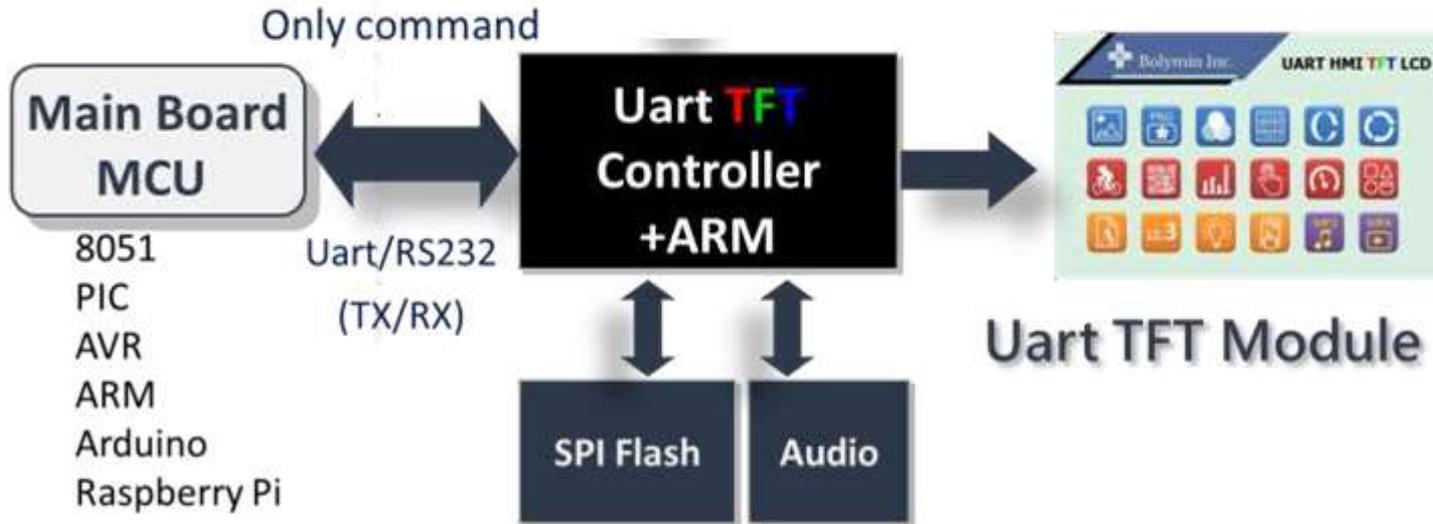


# Difficult to convert?

- Does the original MCU need to be modified?
- Are the motherboard changes heavily?
- What should I do if the MCU speed is not fast enough and the screen refresh is too slow?
- ROM is not enough?
- Face problem on file Complicated graphics overlap operation



# UART T<sub>T</sub>FT LCD





# Completely system software



# Competitive Advantages

Up

•Product competitive

Solve

•Monochrome to Color Gap

Down

•Software and hardware development costs

Save

•Labor costs

Shorten

•Development Time& Time to Market

Focus

•Customer product rather than  
only LCD module

# What we can do ?



- **Product Planning**
- **Screen editing**
- **Simulate customer screen operation**

# UART **TFT** LCD Series

Size	Resolution	Model No.	Outline Dimension (mm)	Brightness (cd/m2)	View Angle	Interface	IC Part No.	Touch Panel	Audio
2.8"	320x240	BTU028-3224TL100RTN\$	96.6 x 55.94	200	6H	UART/RS232	ARM M4	RTP	WAV
3.2"	320x240	BTU032-3224TL100RTN\$	96.6 x 55.94	290	6H	UART/RS232	ARM M4	RTP	WAV
4.3"	480x272	BTU043-4827IL300CTN\$	105.5 x 67.2	340	ALL	UART/RS232	ARM M4	CTP	WAV
5"	800x480	BTU050-8048IL301CTN\$	120.7 x 75.8	550	ALL	UART/RS232	ARM M4	CTP	WAV
7"	800x480	BTU070-8048IL301CTN\$	165.9 x 101	900	ALL	UART/RS232	ARM M4	CTP	WAV
10.1"	1024x600	BTU101-1060IL301CTN\$	235 x 143	400	ALL	UART/RS232	ARM M4	CTP	WAV

# 2.8" 240x320 UART TFT LCD

- 2.8" TFT LCD Module
- Resolution:320\*RGB\*240
- Display Type: TFT/Transmissive/Normally white
- Interface Type: UART TX RX
- Controller IC: ARM M4
- Top:-20°C~70°C
- Support Resistive Touch Panel
- Surface Luminance 200 cd/m<sup>2</sup>(Type)
- 90 or 180 degree rotation



**BTU028-3224TL100**



# 3.2" 240x320 UART TFT LCD

- 3.2" TFT LCD Module
- Resolution:240\*RGB\*320/320\*RGB\*240
- Display Type: TFT/Transmissive/Normally white
- Interface Type: UART TX RX
- Controller IC: ARM M4
- Top:-20°C~70°C
- Support Resistive Touch Panel
- Surface Luminance 290 cd/m<sup>2</sup>(Type)
- 90 or 180 degree rotation



**BTU032-3224TL100**



# 4.3" 480x272 UART TFT LCD

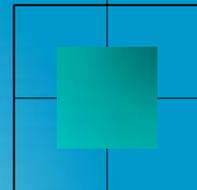
- 4.3" TFT LCD Module
- Resolution:480\*RGB\*272(IPS)
- Display Type: TFT/Transmissive/Normally Black
- Interface Type: UART TX RX
- Controller IC: ARM M4
- Top:-20°C~70°C
- Support Capacitive Touch Panel
- Surface Luminance 340 cd/m<sup>2</sup>(Type)



BTU043-4827IL300CTN



# 5" 800x480 UART TFT LCD



- 5.0" TFT LCD Module
- Resolution:800\*RGB\*480(IPS)
- Display Type: TFT/Transmissive/Normally Black
- Interface Type: UART TX RX
- Controller IC: ARM M4
- Top:-20°C~70°C
- Support Capacitive Touch Panel
- Surface Luminance: 550 cd/m<sup>2</sup>(Type)



BTU050-8048IL301CTN



# 7" 800x480 UART TFT LCD

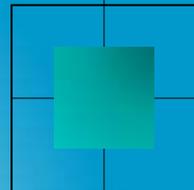
- 7.0" TFT LCD Module.
- Resolution:800\*RGB\*480 (IPS)
- Display Type: TFT/Transmissive/Normally Black
- Interface Type: UART TX RX
- Controller IC: ARM M4
- Top:-20°C~70°C
- Support Capacitive Touch Panel
- Surface Luminance: 900 cd/m<sup>2</sup>(Type)



BTU070-8048TL301CTN



# 10.1" 1024x600 UART TFT LCD



- 10.1" TFT LCD Module.
- Resolution:1024\*RGB\*600 (IPS)
- Display Type: TFT/Transmissive/Normally Black
- Interface Type: UART TX RX
- Controller IC: ARM M4
- Top:-20°C~70°C
- Support Capacitive Touch Panel
- Surface Luminance: 400 cd/m<sup>2</sup>(Type)



BTU101-1060TL301CTN



**THANKS**  
FOR WATCHING

HAVE A  
QUESTION?

Contact Us: [sales@ujlight.com](mailto:sales@ujlight.com)

✉ **Hsinchu Headquarter:**

Address: No.15, Lane 576, Sec. 1, Guanfu Rd., East Dist., Hsinchu City, 300047, Taiwan

TEL : 886-3-5678-366

FAX : 886-3-5678-255

✉ **Taichung Plant:**

Address: 4 & 5 F, No. 38, Keya Rd, 42881, Taichung City, Taiwan

TEL : 886-4-2565-8689

FAX : 886-4-2565-8698

**www.ujlight.com.tw**