



Without controller board



With controller board



GT Optical Bonding Touch Display Modules BBL-8 Series

GT optical bonding touch display modules BBL-8 Series consist of the industry-grade touch screen to high-quality LCM with or without controller board, which help you to streamline supply and simplify assembly. You don't need to build a clean room and hire skilled workers that will save huge investment including production area, equipment, and workers' salary.

Available in 10.1" and 15.6" (without controller), and 21.5", 23.8", 27" and 32" (with controller), GT optical bonding touch display modules BBL-8 Series delivers superior touch performance, remarkable clarity, and vivid color by optical bonding technology, and narrow-border design, slimmer and lighter with a sleek appearance.

Features & Benefits

- √ PCAP 10-point multitouch technology, accuracy and fast
- √ Optical bonding, excellent visual and touch experience
- √ Modular design, easy install and integrate
- √ X-Trim, elegant design with narrow border
- √ Streamline your supply chain
- √ Simplify your assembly
- √ Short lead time for standard products
- √ Ensure high-quality and cost-effective products
- √ Various accessories meet your particular requirement

Applications

- Retail
- Office
- Medical
- Finance
- Self-service
- Gaming
- Kiosk
- Transportation
- Outdoor

SPECIFICATIONS

Name	Optical Bonding Touch Display Modules BBL-8 Series				
Size	10.1"	15.6"	21.5"	23.8"	27"
Model	BBL108	BBL158	BBL228	BBL248	BBL278
LCD Panel Parameters					
Display Technology	Active Matrix TFT-LCD with LED Backlight				
Aspect Ratio	10:16	16:9			
Active Area (W x H)	136.0×218.0 mm	345.2×194.6 mm	477.0×268.6 mm	528.0×297.5 mm	598.4×337.0 mm
Native Resolution	800×1280	1920×1080			
Response Time (Typ.)	35 ms	30 ms	14 ms		
Display Colors	16.7 million	262 K	16.7 million		
Luminance (Typ.)	250 nits	220 nits	250 nits		300 nits
Contrast Ratio (Typ.)	1000:1	800:1	1000:1		
Viewing Angle (Typ.)	Horizontal (left/right) CR≥10 85° /85°		Horizontal (left/right) CR≥10 85° /85°		
	Vertical (up/down) CR≥10 85° /85°		Vertical (up/down) CR≥10 85° /85°		
Touchscreen Parameters					
Touch Technology	Projected Capacitive (PCAP)				
Surface Treatment	Tempered or Chemically Strengthened Optional: Anti-glare				
Thickness (Total)	2.4±0.3 mm		4.3±0.3 mm		
Light Transmission	≥83%				
Response Time	8 ms				
Touchscreen Interface	USB				
Touch Points	10				
Overall Parameters					
Case/Bezel Color	Black Color on the Bezel				
Outline Dimension (W×H×D)	155.9mm×236.2 mm×5.4mm	365.2mm×214.6 mm×4.9mm	501.6mm×293.2mm×16.3mm	552.8mm×322.3mm×16.4mm	626.4mm×364.9mm×16.4mm
Power Consumption (Max.)	9 W	12 W	18 W	22 W	25 W
System Support	Windows 7 or later, Android 4.2 or later, Linux 3.5 or later				
Operating Altitude	≤3000 m				

Temperature Range	Operating: 0°C to 40°C, Storage: -20°C to 60°C				
Humidity (Non-condensing)	Operating: 20% to 80%, Storage: 10% to 90%				
I/O	LVDS	EDP	LVDS		
Carton Box Dimensions	TBD	TBD	TBD	TBD	TBD
Weight	Net: 0.9 kg	Net: 1.5 kg	Net: 2.6 kg	Net: 3.3 kg	Net: 4.2 kg
Carton Box Dimensions	Gross: TBD	Gross: TBD	Gross: TBD	Gross: TBD	Gross: TBD
MTBF	50,000 hours				
Certificate	ROHS				
Warranty	3 years				

Ordering Information

Model	Part Number	Description
BBL108-RC3000-UV2500-1.0	110303013R	10.1", 10:16, 250 nits, PCAP, USB, LVDS
BBL158-RC3000-UE2F00-1.0	110303064R	15.6", 16:9, 220 nits, , PCAP, USB, EDP
BBL228-RC5000-UV2F00-1.0	110303065R	21.5", 16:9, 250 nits, PCAP, USB, LVDS
BBL248-RC5000-UV2F00-1.0	110303066R	23.8", 16:9, 250 nits, PCAP, USB, LVDS
BBL278-RC5000-UV3F00-1.0	110303067R	27", 16:9, 300 nits, PCAP, USB, LVDS

Optional Accessories

Model	Number	Description
EDP Cable	1	For BBL158
LVDS Cable	1	For BBL108/BBL228/BBL248/BBL278
Converter	1	For BBL-8 Series
Converter to LCD Cable	1	For BBL-8 Series
USB Cable	1	For BBL-8 Series
A/D Board	1	For BBL-8 Series

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