



Asperasys
Aspera Electronic Systems

ULTRA LOW POWER SUNLIGHT READABLE DISPLAY FOR EXTREME CONDITIONS



FEATURES

- | Multi-purpose flexible display
- | Ultra low power consumption
- | Screen mirroring mode
- | Still picture/map mode
- | Available in 2 sizes
- | Lightweight and rugged
- | Supports Windows, Linux, Android

ELECTRICAL

- | Embedded ultra low power CPU
- | Expansion capabilities (HW & SW)
- | Color and black/white available
- | Glove compatible touch
- | 5 programmable buttons

QUALIFICATION

- | Shock according to MIL-STD-810G
- | Vibration according to MIL-STD-810G
- | Ingress protection level IP67
- | Fully sunlight readable
- | Impact resistant screen



www.asperasys.com

ABOUT ASPERA ELECTRONIC SYSTEMS

Aspera electronic systems is a subsidiary of Edco Technologies 1993 LTD. with branches located in both USA and Israel, With more than 30 years of combined experience.

Aspera electronic systems offers rugged computing systems for extreme conditions, such as powerful servers, storage appliances, high deployment switches and video encoders.

RUGGED DISPLAY SOLUTIONS

Aspera presents 2 new innovative products based on a flexible plastic electrophoretic display – the ZPD47 and ZPD107.

The devices only use power to update the displayed image, and will continue to display the image indefinitely when disconnected - using zero power.

The impact resistant plastic displays come in a 4.7" wrist wearable size with an anatomically curved screen, or a 10.7" size with a flat screen. Both displays are available in either color or B/W.

Both size displays feature glove compatible resistive touch and also 5 rubber buttons with programmable functionality.

The displays connect to any client via a standard 4 wire USB2.0 connection implementing the RNDIS protocol.

The displays support two main operating modes - screen mirroring of a client (with refresh rate under 1 second), and a still-picture/map mode which updates images on demand.

The displays support Windows XP/7/10, Linux, Android 4.4 and higher.

SPECIFICATIONS		
Embedded Controller	iMx6 SoloLite	
Input Voltage/Communications	5VDC / USB2.0	
Display type	Organic TFT active matrix	
Touch	Glove compatible resistive	
I/O	5 programmable buttons	
Model	ZPD107	ZPD47
Dimensions	16cm x 8cm x 1.2cm	28cm x 20cm x 1.5cm
Weight	572 grams	148 grams
Native Resolution	640x480 pixels	800x450 pixels
Pixel Density	75 PPI	196 PPI
Color	4096 colors	
Gray Levels	16 levels	
Lifetime	Over 50 million screen updates	



Rugged Display Solutions

Environment	Designed to meet vast range of harsh environmental standards
Operating Temp.	0°C to 50°C
Storage Temp.	-25°C to 50°C
Waterproof	Designed to meet IP67
Shock	Designed to meet MIL-STD-810
Vibration	Designed to meet MIL-STD-810
Humidity	Up to 85%RH

** Preliminary, for availability info consult factory*



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