

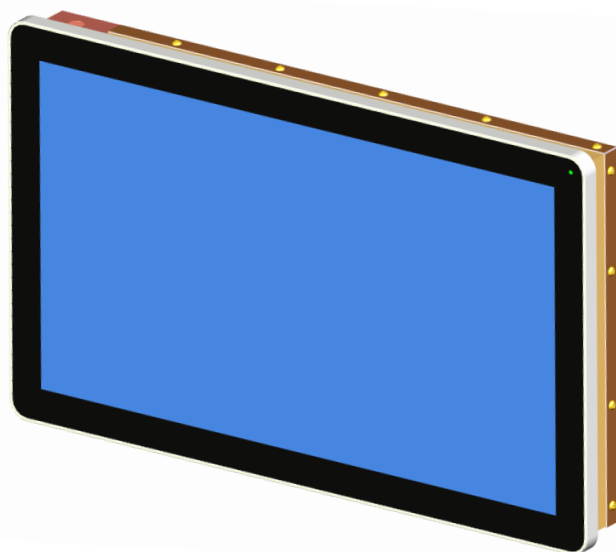
# TFT display datasheet

## EPRTFT32-O-LOG-AF

The Surtronic EPRTFT32-O-LOG-AF TFT display is a 32 inch WUXGA TFT LCD display for Passenger Information Display systems. The display is specifically designed for a long operating life with 24/7 usage in a wide range of outdoor environments. The display is composed of Surtronic proprietary display boards and controllers with a proven track record in the most demanding applications. These key components are combined with an industrial Single Board Computer which hosts the application software and an industrial 4G+/LTE Cat6 wireless modem router.

### Key specifications

Display size	32 inch
Resolution	1920 x 1080
Colors	16,7 million (8bit)
Intensity	1000 cd/m2
Contrast	5800:1
Viewing angle	178° horizontal and vertical
Diagnostic features	Humidity, temperature, impact, ambient light and door sensors
Power consumption	80W (nominal) 200W (peak)



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### Enclosure:

Hot dipped galvanized steel enclosure  
Rear access panel  
Humidity/pressure valve and power cable gland covered with protection cover to prevent access  
Dimensions HxVxD [mm] 783.4 x 477.85 x 83.4 (excluding antenna)  
Tamper proof Security Torx fasteners on enclosure  
VESA 400x200 M8 mounting  
RAL7016 30% gloss coating  
Weight approximately 25 kg

### Glass:

6mm thick optical bonded high-quality, UV-protected, anti-reflective glass window

Optical bonding results in better performance and optimized readability, but it also prevents accumulation of humidity, dust, and hot air between the front screen and the TFT panel and avoids the glass to fall out in the event of vandalism.

### Environment:

-30 to +40 °C external environment  
IP65 enclosure with IP68 power connector  
European Standards EMC/CE compliant  
Supply voltage 220-240Vac 50Hz  
Power consumption maximum 200 W, typical 80W

### Display:

LG 32.0" WUXGA TFT LCD, RoHS verified  
Active Screen Size is 31.55 inches (801.31 mm) diagonal  
Pixel Pitch 0.36375 mm x 0.36375 mm  
Pixel Format 1920 horizontal by 1080 vertical in RGB stripe arrangement  
Color Depth 8bit, 16.7 Million colors  
Display Mode Transmissive mode, Normally black  
Intensity 1000 cd/m2, contrast ratio 5800:1  
Viewing angle horizontal and vertical 178 degrees

### Sensors:

Shock sensor (deactivation of display to prevent vandalism)  
Climate control sensor  
Humidity control sensor  
Access control sensor (door sensor)  
Backlight sensor (check)  
Automatic backlight adjustment (dimming)

### Processing power:

Intel Braswell N3160 fanless platform  
4 Gb industrial DDR3 RAM  
32 Gb industrial mSATA SSD for OS / application software  
Dual Gigabit ethernet interface  
Watchdog timer  
Windows 10 IoT OS  
LTE modem + 4G+/LTE Cat 6 router

