



LED display datasheet

EPR574.41-YLL-O-DUB-AG

The Surtronic EPR574.41-YLL-O-DUB-AG is a 4-line double sided LED 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+ wireless router.

Key specifications

Number of sides	2
Number of lines	4
Line matrix	224 x 9 pixels per line
Character height	46 mm
Color	Amber
Brightness individual LEDs	> 1000 mCd
Diagnostic features	Humidity, temperature, impact, ambient light and door sensors
Power consumption	80W (nominal) 200W (peak)



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Enclosure:

Precision milled aluminium sheet metal enclosure
IP68 Humidity/pressure valve and power cable gland
Dimensions HxVxD [mm] 1270 x 250 x 230 (excluding antenna)
RAL7016 30% gloss coating
Weight approximately 42 kg

Glass:

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

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:

Surtronic DPB574 display board modules
Double sided, 4 lines per side
224 x 9 pixels per line

Character height 46 mm

Active display dimensions [mm] 1134 x 204

Viewing angle 140 degrees h x v

Intensity > 1000 mCd per individual LED

Sensors:

Shock sensor (deactivation of display to prevent vandalism)
Climate control sensor
Humidity control sensor
Access control sensor (door sensor)

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

