

# G7330-() Multi-Purpose Control & Display Unit (MCDU)



## GENERAL SPECIFICATIONS

### Dimensions

- 8.985 in/228.2 mm (height) x 5.75 in/146.05 mm (width) x 2.528 in/64.21 mm (max depth), excluding rear connector

### Weight

- 5 lbs/2.27 kg (max)

### Electrical Requirements

- Power . . . . . 115 VAC or 28 VDC, 20 Watts (max)
- Lighting\* (LEDs) . . . . . On screen BRT/DIM (w/optional sensors)

\* Minimal current required – only used for brightness level control

### Display – Sunlight readable, wide viewing angle

- Resolution . . . . . 1280 (W) x 768 (H)
- Screen size (diagonal) . . . . . 9 inches
- Pixel configuration . . . . . R,G,B stripe
- Luminance . . . . . 120 foot Lamberts, LCD lighting
- Contrast ratio . . . . . 500:1 (typical)
- Touch screen . . . . . 5-wire resistive, GFG construction

### Connectors

- J1 Mating: MS24266R20B41SNC, or equivalent 41 pin connector
- J2 Mating: D38999/26MH-355N-LC, or equivalent 100 pin connector

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## Color

- Front Panel Options
  - Boeing Brown BAC #8328
  - Non-reflective Gray FED STD 595b36118
  - Black FED STD 595b37038

## Compliance

- RTCA/DO-160G (Environmental), RTCA/DO-178C Level D (Software), RTCA/DO-254 Level C (Hardware)
- STC (ST03423NY) for B757
- FAA TSO: C113a, C36e, C40c, C41d, C66c
- Human factors per 14 CFR part 25, AC 20-175 and AC 25-11B
- Supported safety assessment through Functional hazard Analysis, Reliability, Estimate and FMEA
- MOPS per SAE AS8034B
- TSO-C41d, TSO-C113a, TSO-C169a, TSO-C170
- ARINC 429, ARINC 739A

## Features

- Configurable flight deck solution for a wide variety of aircraft
- 7 ARINC 429 inputs and 1 ARINC 429 output (J1 connector)
- 10 ARINC 429 inputs and 8 ARINC 429 outputs (J2 Connector)
- 30 discrete inputs
- 6 discrete outputs
- 1 RS-232 input port and 1 output port (maintenance port)
- Subpixel anti-aliasing for exceptional image quality
- Built-in-test (BIT) with maintenance pages for enhanced diagnostics
- Modular construction contributes to economical maintenance
- Liquid splash-proof design
- LED backlighting for higher reliability
- Ambient light sensing
- MTBF (Calculated): 23,000 operating hours

## Potential Applications

- ARINC 739A MCDU

## Future Growth

- 2 100Base-T PoE ports
- 1 CAN bus
- 1 RS-232 input port
- 1 RS-232 output port
- NVIS compatibility



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