



AirScout 2D

Multi Function Display MFD6203

MFD6203-(000)



The AirScout 2D Multi Function Display is an airborne navigation system for fixed wing aircraft consisting of 2D-Pilot Navigational Software running on the Multi Function Display MFD6203-(000) for VFR operations. The MFD6203 Hardware is a rugged computer with built-in GPS receiver, qualified in accordance with RTCA DO-160G environmental conditions for safe installation on the instrument panel.

Unique MFD6203 features:

- Jeppesen ® VFR Navigation Database Europe
- VFR chart avionTek Europe
- Terrain database avionTek Europe
- Direct to function
- Route planning or route upload by Micro SD card (gpx file support)
- Sunlight readable 6.5" colour TFT-LCD with LED backlight, which can be dimmed for night operation
- ON/OFF power button, 4 way switch, dimming buttons, Micro SD card slot, single shaft rotary knob with push button
- Several information fields are displayed to assist the pilot in situational awareness.

The MFD6203-(000) kit contains:

- MFD6203-(000)
- 8 GB Micro SD card,
- Mounting tray
- Navigation software and databases.

Accessories shall be ordered separately. (Connector kit and GPS antenna)

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MFD6203-(000)

Technical data:

- Supply voltage: 9 V to 32.5 V DC
- Current consumption: Typical, with max. brightness
1.6 A at 14 V
0.8 A at 28 V
- Standby (OFF mode) 0.04 A at 14 V
0.02 A at 28 V

- Internal fuse protection: 5 A fast-blow, SMD nano fuse
- Operating temperature: -20°C to +55°C
(short-time +70°C)
- Storage temperature: -30°C to +70°C

- Operating altitude: ≤15.000 ft
- Crash safety Cat. B fixed wing standard
- Vibration resistance in accordance with EUROCAE/RTCA ED-14G/DO-160G Cat. S. Curve M (fixed wings)
- Humidity in accordance with EUROCAE/RTCA ED-14G/DO-160-G Cat. A / + 50°C
95%, 48 h
- Interfaces:
 - * Micro SD slot: Applications data transfer with a μSD card (HS-SD or HC-SD)
 - * D-Sub 43W2 male: Power, GPS, and external dimming inputs for 14V and 28V,

- Qualification: DO-160G Env. Cat.
[(A4)X(A4)XX]BABSXXXXXX
Z[BXX]AB[ACE][WW]XXAX

- Certification: None
- Dimensions (H, W, D): 136 mm, 158 mm, 90 mm,
without mounting tray and knobs

- Weight MFD6203: ≤ 1430 g
- Weight mounting tray: ≤ 250 g

Computer data:

- CPU: Intel embedded Atom N455
1.66 GHz single core
- DRAM: 2G DDR3
- Solid state memory: 16 GB SATADOM

TFT-LCD data:

- Active screen size: 6.5", diagonal
- Screen resolution: 640 x 480 VGA
- Support colours: 16.2M / 262K colours
- Surface treatments: Glare, AR, Anti-Reflective

GPS Receiver data:

- Receive frequency: 1575.42 MHz; L1 C/A code
- Channels: 32 parallel channels
- Sensitivity (tracking): -158 dBm
- Position accuracy: 3.3 m CEP
- External GPS antenna: Airborne type 2.5 V DC
(antenna not included)
- Nominal impedance 50 Ω

Accessories (to be ordered separately):

- Airframe GPS antenna,
- Cockpit GPS antenna,
- Connector Kit (crimp version)
- Connector Kit (solder version)