

AIT6000 Technical Specifications

PHYSICAL AND ENVIRONMENTAL SPECIFICATION

Size (w x h x d) – 220 × 130 × 55 mm

Weight – 2500g

Operating temperature – -25°C to +55°C

Storage temperature – -25°C to +70°C

Ingress protection – IP65

STANDARDS COMPLIANCE

AIS standards – IEC 62287-1 Ed. 3. ITU-R M.1371.5

Product safety standards – EN60950-1 2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013
EN62311:2008

Environmental standards – IEC 60945 Ed. 4

Serial data interface standards – IEC 61162-1 Ed 5.0. IEC 61162-2 Ed 1.0

NMEA 2000 – NMEA 2000 Ed 3.101

GNSS performance standards – IEC 61108-1 Ed 2.0. IEC 61108-02 Ed 1.0

ELECTRICAL SPECIFICATION

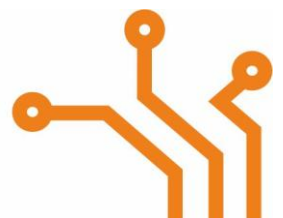
Supply voltage – 12V or 24V DC

Supply voltage range – 9.6V – 31.2V DC

Average current (at 12V) – 250mA

Peak current – 2A

Galvanic isolation – NMEA 0183 inputs only, NMEA 2000, VHF antenna port



GNSS

Systems supported – GPS + GLONASS

Channels – 72

Internal/external antenna – Internal or optional external antenna

Time to first fix from cold start – 26s

CONNECTORS

VHF antenna – SO-239

VHF Radio – SO-239

GNSS – TNC

WiFi – RP SMA

Power/NMEA 0183/silent mode – Integral 12 way multi-core cable 0.75m

NMEA 2000 – Integral 5 way Micro-C Male cable 0.75m

USB – Integral USB A cable 0.75m

VHF TRANSCEIVER

VDL access scheme – SOTDMA

Operating frequency – 156.025MHz – 162.025MHz

Channel bandwidth – 25kHz

Receivers/transmitters – 2 x receivers, 1 x transmitter

