

# Datasheet Groundstation GS-E



- For office use
- 400 MHz receiver integrated
- SDR (Software defined receiver)
- Antenna switch (antenna diversity)
- Integrated GPS module
- Completely software controlled by GRAMMET
- Status indication by LED
- Real-time data transmission to PC



Groundstation GS-E

## General

Supported operating systems	Windows® 10 professional or newer (older versions on request)
MTBF	> 1 x 10 <sup>5</sup> (availability > 99.9%)
Receiving Range	> 250 km, no altitude restrictions
Standards	CE (Europe), CSA (Canada), NFPA / NEC (USA)
Documentation	Complete user documentation set in multiple languages is available

## Electrical connection and interfaces

Power supply	AC voltage: 110 V/AC to 250 V/AC, 50 – 60 Hz DC voltage: 10 V/DC to 32 V/DC
Power consumption	< 20 Watt (incl. antenna amplifiers)
Power connectors	Multiple country-specific configurations available (e.g. Europe, USA, Asia, etc.)
Connection to PC	USB
Connection to radiosonde	USB
Antennas	2 x 400 MHz, GPS IN, GPS OUT

## Receiver and data transmission to PC

Frequency range	400 – 406 MHz
Tuning steps	20 kHz
Sampling rate	1 Hz
Status information	Frequency, signal strength, GNSS status, system status
Meteorological data	Raw data (PTU, Wind)

## Mechanical properties

Weight	3,3 kg
Size	320 mm x 190 mm x 90 mm