

# Micro GPS Module With Onboard Antenna

With the AarLogic GPS 3T, Round Solutions presents a micro GPS receiver that can be combined with further components to create a full-fledged navigation system. The antenna is already soldered onto the small circuit board, which is only 12 x 2mm, making wiring unnecessary. The square, 10-mm wide and approximately 4-mm high antenna is positioned at a 90-degree angle from the circuit board. This array lets the user watch the display as usual, for example when using a GPS Smartphone, while the antenna points to the sky.

The actual reception module contains an antenna amplifier as well as filters for GSM bursts in addition to the time-tested SiRF-III chipset with display of the coordinates in NMEA-0183-V3 protocol.

According to Harald Naumann, technical director at Round Solutions, the AarLogic GPS 3T is preferentially suitable for the structure of small and efficient positioning systems, but also for custom-made Smartphones. The power consumption at a nominal 31 mA is very small at a 3.3 V supply voltage.

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<https://www.gim-international.com/content/article/micro-gps-module-with-onboard-antenna>

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