



GPS BOARD



ANTS ist ein stapelbarer, Single Board Computer für eingebettete Systeme mit individuell anpassbaren Elementen. Diese flexible off-the-shelf-Plattform basiert auf NI LabVIEW für ARM-basierte Prozessoren.

• Direkt Anschluss mit LabVIEW embedded für ARM

• Durch kleine Einbaugröße (3,5 x 3,5cm) überall einsetzbar

• Stapelbar- neue Lösung einfach aufbauen

Gerne zeigen wir Ihnen alle Vorteile unserer Mass Interconnect Lösungen

ELECTRICAL

Supplypowered by connector (3.3V)

Consumption max. 300mW

MECHANICAL

Dimensions 36 x 45 x 6 mm

Antenna SMA connector

ENVIRONMENTAL

Storage temperature -55 to 105°C

Operating temperature -40 to 85°C

ACCURACY (24 HR STATIC)

Horizontal <2.5 m 50%, <5 m 90%

SBAS <2.0 m 50%, <4 m 90%

Altitude <5 m 50%, <8 m 90%

SBAS <3 m 50%, <5 m 90%

Velocity 0.06 m/sec

Static PPs ±60ns RMS

ACQUISITION (AUTONOMOUS, -130DBM, 50%)

Reacquisition 2 s

Hot Start 3 s

Warm Start 35 s

Cold Start 38 s

SENSITIVITY (UNAIDED)

Tracking -160 dBm

Acquisition -148 dBm

Receiver Dynamics 2G

ACCESSORY

Compact magnetic-mount antenna

SOFTWARE

Drivers for LabVIEW Embedded for ARM (including set of NMEA command)

Ordering Information		
Products	Ord. No	Comments
Base Kit	75-001	Included a power board, a CPU board, a JTAG board with LabVIEW drivers
GPS board	75-109	Provides GPS data and synchronizes acquisition
GPS antenna	75-200	Provides wireless features to your laptop for ANTS network