ANTS

The ANTS are coming!

BASE KIT

ELECTRICAL

Supply	7V to 35V (polarity inversion protected)
Output voltage	3.3V—5V
Backup battery	CR1216 type
Consumption	max. 500mW

MECHANICAL

Dimensions	36 x 36 x 7 mm
User interface	2 push buttons, 2 LED
Connectors	10 points 2.54mm 60 points extension connector

ENVIRONMENTAL

Storage temperature	-40 to 80°C
Operating temperature	-20 to 70°C

ANALOG INPUT

Number of channels	2
ADC resolution	12 bits
Sampling rate	Max. 1MSPS, no minimum
Input range	Hardware settable gain and attenuation (0-10V by default)
Maximum working voltage	40V
Input impedance	20kΩ

ANALOG OUTPUT

Number of channels	2
DAC resolution	12 bits
Output range	0/5V
Output impedance	0.2Ω
Output current drive	10mA per channel

DIGITAL OUTPUT

Number of channels	2

PERIPHERALS

CAN bus	2.0 B
JTAG	SWD (Serial Wire Debug) and trace

SOFTWARE

Drivers for LabVIEW Embedded for ARM (including EIO and CAN bus)

Ordering Information		
Products	Ord. No	Comments
Base Kit	75-001	Included a power board, a CPU board, a JTAG board with LabVIEW drivers
Power board	75-101	Provides power supply for the stack
CPU board	75-102	ARM main board
JTAG board	75-103	For programming and debug

POWERED BY NATIONAL INSTRUMENTS LabVIEW

MIC Mass Interface Connections GmbH
www.massinterconnect.de

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

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