SMARC-sA3874i

SMARC-SMART MOBILITY ARCHITECTURE
SLIM EMBEDDED COM SOLUTION FOR HARSH ENVIRONMENTS

- scalable ultra low power ARM building block
- driven by Texas Instruments AM3874 ARM technology (up to 800MHz)
- constructed to withstand harsh industrial environments
## TECHNICAL INFORMATION

| PROCESSOR  | TI Sitara AM3874  
|            | Single core Cortex A8  
|            | Up to 800MHz  
| MEMORY     | DDR3 memory, up to 2GB soldered down  
| FLASH      | Up to 32GB NAND down  
| ETHERNET   | 10/100/1000 Gbit  
| USB        | 2x USB 2.0 (one OTG)  
| DISPLAY    | Parallel LCD 18/24bit  
|            | LVDS Single Channel  
|            | HDMI  
| GRAPHICS   | 3D graphics acceleration  
|            | HD video processing  
| ADDITIONAL INTERFACE | 1x PCIe, I2C, I2S, 4x UART, 2x CAN; GPIO Battery and System Management; SATA  
| IMAGE CAPTURE INTERFACES | Camera input 10bit parallel interface  
| SW SUPPORT | Windows WEC7  
|            | Android  
|            | Linux  
| POWER      | Typ. 2 Watts (estimated)  
| THERMAL    | Industrial temperature: -40°C to +85°C  
| POWER SUPPLY | 3V to 5.25V - Operates directly from single level Lithium Ion cells, or fixed 3.3V or 5V power supplies  
|            | Form Factor: 82 x 50 mm  
|            | Compliance: SMARC (Smart Mobility Architecture) specification by SGET  

## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>ARTICLE</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMARC-SA3874I</td>
<td>51002-1000-08-1</td>
<td>SMARC with TI Sitara AM3874 800 MHz, 1GB memory</td>
</tr>
<tr>
<td>SMARC-SA3874I</td>
<td>51002-2000-08-1</td>
<td>SMARC with TI Sitara AM3874 800 MHz, 2GB memory</td>
</tr>
</tbody>
</table>

## CORPORATE OFFICES

**EUROPE, MIDDLE EAST & AFRICA**

Lise-Meitner-Str. 3-5  
86156 Augsburg  
Germany

Tel.: + 49 821 4086 0  
Fax: + 49 821 4086 111  
info@kontron.com

**NORTH AMERICA**

14118 Stowe Drive  
Poway, CA 92064-7147  
USA

Tel.: + 1 888 294 4558  
Fax: + 1 858 677 0898  
info@us.kontron.com

**ASIA PACIFIC**

1–2F, 10 Building, No. 8 Liangshuihe 2nd Street,  
Economical & Technological Development Zone,  
Beijing, 100176, P.R.China  
Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn  

Copyright © 2015 Kontron AG. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Kontron and the Kontron logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized. Specifications are subject to change without notice. SMARC-sA3874i-20150702 - WMH