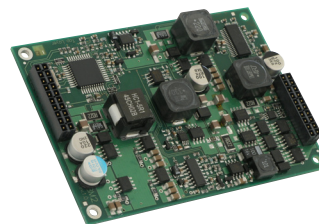# conga-SBM² – Battery Management for XTX™

## SMART Battery Manager Module



conga-SBM² is a complete battery manager sub-system in the form of a plug-in module.

Size 68 mm x 95 mm x 12.5 mm

Support 2S1P up to 4S3P, parallel or sequential battery operation

S3 support (Suspend to RAM)

LEDs provide a direct view of charging and battery capacity status

Input voltage of 19V DC, max. 4.5A with input power delimitation

Output 5V, 7A and 12V, 2A

Battery charging max. 17V, max. 3A

Power Modes
S1: Sleep Mode, S3: Suspend to RAM, S5: Soft Off, G3: Mechanical Off

## conga-SBM²-Kit

This battery manager kit can be operated in conjunction with the congatec XTX™ starter kit. When used together they provide a fast and simple way of evaluating all the functionalities and configurations offered by the XTX™ and SBM² modules. Contents:

SMART Battery Manager Module conga-SBM²

SMART Battery

Complete set of cables required for testing in conjunction with the conga-XEVAL evaluation carrier board



## Order Information

| Article | PN | Description |
|---|---|---|
| conga-SBM²-module | 088774 | SMART Battery Manager Module for XTX™ |
| conga-SBM²-2nd accu | 096582 | Second battery only for the conga-SBM² Kit |
| conga-SBM²-Kit | 026571 | Starterkit to evaluate SBM-Features. With SMART-Battery Manager Module and cable set |
| conga-SBM² Licence and Design Kit | 052741 | SMART Battery Manager Module Design Kit including licence agreement for costumer integration, Hardware design files (schematics, Bill of Material), Battery Manager Firmware (incl. commented source code), AVR-Programming Tool AT90 JTAG |

# congatec

the rhythm of embedded computing

**PARTNER tecnologico contradata**

## Headquarter:

**congatec AG**

Auwiesenstraße 5
94469 Deggendorf,
Germany

Phone  +49 (991) 2700-0
Fax      +49 (991) 2700-111

info@congatec.com
www.congatec.com

## Subsidiaries:

**congatec AG Asia Pacific**

11F-2, 341, Sec 4,
Zhong Xiao E. Rd.
106 Taipei City, Taiwan

Phone  +886 2 2775 4645
Fax      +886 2 2775 3263

sales-asia@congatec.com
www.congatec.tw

**congatec, Inc.**

2187 Newcastle Ave, Suite 201
Cardiff by the Sea,
CA 92007 USA

Phone  +1 760-635-2600
Fax      +1 760-635-2601

sales-us@congatec.com
www.congatec.us

**congatec s.r.o.**

Brojova 16
PS  326 00 Plze
Czech Republic

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