

# conga-SBM<sup>2</sup> – Battery Management for XTX™

## SMART Battery Manager Module

conga-SBM<sup>2</sup> is a complete **battery manager sub-system** in the form of a plug-in module.

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Size 68 mm x 95 mm x 12.5 mm

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

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S3 support (Suspend to RAM)

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LEDs provide a direct view of charging and battery capacity status

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

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

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Battery charging max. 17V, max. 3A

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Power Modes

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

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## conga-SBM<sup>2</sup>-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 SBM<sup>2</sup> modules.

Contents:

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SMART Battery Manager Module conga-SBM<sup>2</sup>

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SMART Battery

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



## Order Information

Article	PN	Description
conga-SBM <sup>2</sup> -module	088774	SMART Battery Manager Module for XTX™
conga-SBM <sup>2</sup> -2nd accu	096582	Second battery only for the conga-SBM <sup>2</sup> Kit
conga-SBM <sup>2</sup> -Kit	026571	Starterkit to evaluate SBM-Features. With SMART-Battery Manager Module and cable set
conga-SBM <sup>2</sup> Licence and Design Kit	052741	SMART Battery Manager Module Design Kit including licence agreement for customer 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

## 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 Plzeň  
Czech Republic

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[www.congatec.com](http://www.congatec.com)

## Vendite e supporto tecnico Italia

Contradata Milano S.r.l.  
Via Solferino 12  
20052 Monza (MB) Italy  
Tel. (+39) 039.2301492  
Fax (+39) 039.2301489  
info@contradata.it  
www.contradata.it



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Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)