



Changing the way the world connects



USB SPI Converter

Product Brief

Features

- Programs and debugs all CSR ICs
- Provides SPI interface from PC USB to CSR IC
- SPI interface runs over CAT5 lead
- Compatible with CSR Casira development kits



Custom firmware, stored in flash memory, takes USB packets containing SPI commands and forwards the commands over SPI. The DSP:

- serialises the SPI commands
- uses the PIO pins to create the SPI_MOSI, SPI_CSB and SPI_CLK signals
- reads the SPI_MISO line

USBSPi automatically reduces the SPI bit rate when it sees SPI data corruption.

Voltage level is set by default to 3.3V.

Applications

- Program CSR IC flash memory via BlueFlash
- Change non-volatile settings in flash memory or EEPROM of CSR IC via PSTool
- Connect to CSR Casira via M1616 adaptor

Supplied with

- USB lead (type A-B)
- SPI lead
- M1616 Casira RJ45 SPI adaptor
- CD with drivers and documentation

Order DEV-SYS-1808-1A

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Conformance and Compliance

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This is a Class A product. This product is not intended for use outside business use. In a domestic environment this product may cause radio interference.

	The product complies with the applicable requirements of the Low Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC and carries the CE-mark accordingly.
	This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Cardboard packing = CB (Cardboard) Please segregate other materials from Cardboard before recycling Stratocell® laminated foam - White = PE (Polyethylene foam) Plastic Carry Cases and Case Handles = PP (Polypropylene) Polythene bags/pouches - Pink = PE-LD or LDPE (Low Density Polyethylene) ESD protective bags/pouches = 11 (composite material, plastic/aluminium) Inner Card Sleeve = 31 (composite material, paper/plastic) Inner Card Box = PB (Paperboard) Printed Manuals/Guides = WPP (Paper)	
Foams: (not included in recycling marking standards) Polyurethane – code: Pink = AS22 Light Grey = E18 Dark Grey = HLB22 Blue = HLB25	

Go to www.csr.com for the USB-SPI Converter Declaration of Conformity.