



Digital Blocks AMBA Peripherals I3C, I2C, eSPI, xSPI Controller IP Core Families Extend Leadership with enhancements containing feature-rich, system-level integration features.

GLEN ROCK, New Jersey, January 8, 2023 – Digital Blocks, a leading developer of silicon-proven semiconductor Intellectually Property (IP) soft cores for system-on-chip (SoC) ASIC, ASSP, & FPGA developers, announces updates to I3C, I2C, eSPI, xSPI Controller Verilog IP Core family offerings.

Digital Blocks Controller IP Core family members contain feature-rich, system-level integration features. Summary information is as follows:

IP Core family	Brief Description of Configurations & Capabilities
I3C	I3C Master/Slave, I3C Master, & I3C Slave. Versions supporting I3C Basic specification available. I3C Slave versions either autonomous for register interface or AMBA interface to ARM or RISC-V processor.
I2C	Similar configurations as with I3C above. Advanced I2C capabilities include Hs-Mode, SCLK clock only (for low power), bridging to AMBA Master bus, and SMBUS.
xSPI	Similar configurations as with I3C & I2C above.
eSPI	Conforms to the eSPI specification

Price and Availability

The Digital Blocks I3C, I2C, eSPI, xSPI Controller IP Core family members are available in synthesizable Verilog, along with a comprehensive simulation test suite, datasheet, and user manual. For further information, product evaluation, or pricing, please go to Digital Blocks at www.digitalblocks.com

About Digital Blocks

Digital Blocks is a leading developer of silicon-proven semiconductor Intellectually Property (IP) soft cores for system-on-chip (SoC) ASIC, ASSP, & FPGA developers requiring best-in-class IP for AMBA Peripherals (DMA/I3C/I2C/SPI/eSPI Controllers), TFT LCD/OLED Display Controllers & Processors, 2D Graphics Hardware Accelerator Engines, Video Signal & Image Processing, and Low-Latency UDP/RTP Hardware Protocol Stacks.

Digital Blocks designs silicon-proven IP cores for technology systems companies, reducing customer's development costs and significantly improving their time-to-volume goals. Digital Blocks is located at 587 Rock Rd, Glen Rock, NJ 07452 (USA). Phone: +1-201-251-1281; Fax: +1- 702-552-1905; Media Contact: info@digitalblocks.com; Sales Inquiries: info@digitalblock.com; On the Web at www.digitalblocks.com

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