

## Arora SRAM Based FPGAs

GOWIN's Arora family of FPGA ICs offer a 'best-in-class' performance/cost ratio making it the ideal choice for compute intensive consumer, industrial, automotive and test equipment applications.

These mid-density SRAM based FPGAs offer optimized LUTs, DSPs, BSRAM, serialized I/O for real-time SoC, co-processing and signal processing development.

The Arora family is complemented by multiple innovative product line sub-features such as embedded PSRAM, DDR and Flash expanding its capabilities and usage compared to traditional FPGA products.

### Arora FPGA Product Features:

- Small Form Factor
  - As small as 8x8mm<sup>2</sup>
- High IO Count
  - Up to 607 User IO
- Serialized Interface Support
  - MIPI CSI-2, MIPI DSI, LVDS, HDMI
  - USB 2.0, PCI, Ethernet
  - DDR3, HyperRAM, PSRAM
- Extensive Pipeline Computing Resources
  - Higher DSP Ratio
  - Higher RAM Ratio
- Flexible Programming Interface
  - JTAG, MSPI, SSPI, I2C, CPU
  - Multi-Boot
- Embedded Security
  - Bitstream Encryption
  - Device Locking
- Extension Features
  - Integrated PSRAM and DDR3
  - Integrated FLASH
  - AEC-100Q Automotive Qualified