

## SRAM FPGA Technology

**GOWIN Semiconductor's Arora FPGAs** are the first embedded SRAM devices in the industry, making them one of the best-in-class performance cost ratio FPGA technology options available. Arora devices are **lower power, higher performing, and better optimized** for co-processing to offload main processors. The embedded SRAM frees up additional function, and gives users more useable I/O.

The Arora family includes two series of FPGAs - the GW2A and the GW2AR. The GW2A series comes in a range of mid-density options and is ideal for communication and display technology applications.



### Arora Features & Benefits:

- Lower power consumption
- Multiple high speed I/O standards
- High performance DSP
- Supports multiple ports and modes

## Non-Volatile FPGA Technology

GOWIN Semiconductor's LittleBee family is the first **non-volatile FPGA with embedded SRAM** in the industry. Currently, there are two series of LittleBee devices - the GW1N and the GW1NR.

The GW1N is an ideal for high performance bridging applications including MIPI CS12 to MIPI DSI, LVDS to mini LVDS, and other industry standards.

A member of the GW1N series, the **GW1N1-CS30** is the tiniest available low-density, non-volatile FPGA package available on the market.

Another noteworthy device in the series is the **GW1N4-QN88**, the industry's first SiP embedded with 64Mbit SDRAM.

The logo for LittleBee, with "Little" in black and "Bee" in green.

### LittleBee Features & Benefits:

- Non-volatile
- Lower power consumption
- Small footprint
- MIPI I3C & MIPI D-PHY standards supported
- Embedded SDRAM/DDR (GW1NR series)
- Multiple I/O standards
- High performance DSP
- Block SRAM with multiple modes
- Built-in flash programming