



Little Bee family

Component	GW1N-1	GW1N-2	GW1N-4	GW1N_9	GW1N-1S	GW1N-1P5	GW1NR-1	GW1NR-2	GW1NR-4	GW1NR-9	GW1NS-4	GW1NS-4C	GW1NZ-1	GW1NSE-4C	GW1NSER-4C	GW1NRF-4B
Look-up table (LUT)	1152	2304	4608	8640	1152	1584	1152	2304	4608	8640	4608	4608	1152	4608	4608	4608
Flip-flop (FF)	864	2016	3456	6480	864	1584	864	FF-2016; Latch: 288	3456	6480	3456	3456	864	3456	3456	3456
Shadow SRAM(bits)	0	18432	0	17280	0	12672	0	0	0	17280	-	-	4K	0	0	-
Block SRAM (bits)	72K	72K	180K	468K	72K	72K	72K	72K	180K	468K	180K	180K	72K	180K	180K	180K
# of BSRAM	4	4	10	26	4	4	4	4	10	26	10	10	10	10	10	10
User flash (bits)	96K	96K	256K	608K	96K	96K	96K	96K	256K	608K	256K	256K	64K	256K	256K	256K
SDR SDRAM (bits)	-	-	-	-	-	-	-	-	64M	64M	-	-	-	-	-	-
HyperRAM(bits)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64M	-
PSRAM (bits)	-	-	-	-	-	-	-	64M (MF49P) 32M(MG49PG)	32M (QN88P) 64M(MG81P)	64M (QN88P/LQ144P/MG100PS) 128M (MG100P/MG100PF/MG100PA)	-	-	-	-	-	-
NOR Flash (bits)	-	-	-	-	-	-	4M	4M	-	-	-	-	-	-	-	32M
18 x 18 Multiplier	0	0	16	20	0	0	0	0	16	20	18	18	-	16	16	16
PLL	1	1	2	2	1	1	1	1	2	2	-	-	1	2	2	2
I/O bank	4	6	4	4	3	6	4	7	4	4	4	4	-	3	4	4
Max. I/O	120	125	218	276	44	125	120	126	218	276	106	106	48	106	106	25
OSC	-	-	-	-	-	-	-	-	-	-	1, ±5%	1, ±5%	-	1,±5% accuracy	1,±5% accuracy	-
Processor	-	-	-	-	-	-	-	-	-	-	-	Cortex-M3	-	Cortex-M3	Cortex-M3	ARC EM4
RF module	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bluetooth 5.0 LE
Security module	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AES encryption, TRNG
Low power module	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DC/DC
Core voltage (LV)	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V	1.2V
Core voltage (UV)	1.8/2.5/3.3V	1.8/2.5/3.3V	2.5/3.3V	2.5/3.3V	-	1.8/2.5/3.3V	-	1.8/2.5/3.3V	2.5/3.3V	2.5/3.3V	-	-	0.9V (ZV version)	-	-	1.8/2.5/3.3V