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## Understanding <u>Embedded - FPGAs (Field Programmable Gate Array)</u>

Embedded - FPGAs, or Field Programmable Gate Arrays, are advanced integrated circuits that offer unparalleled flexibility and performance for digital systems. Unlike traditional fixed-function logic devices, FPGAs can be programmed and reprogrammed to execute a wide array of logical operations, enabling customized functionality tailored to specific applications. This reprogrammability allows developers to iterate designs quickly and implement complex functions without the need for custom hardware.

## **Applications of Embedded - FPGAs**

The versatility of Embedded - FPGAs makes them indispensable in numerous fields. In telecommunications.

Details	
Product Status	Obsolete
Number of LABs/CLBs	-
Number of Logic Elements/Cells	1936
Total RAM Bits	94208
Number of I/O	160
Number of Gates	139000
Voltage - Supply	2.3V ~ 3.6V
Mounting Type	Surface Mount
Operating Temperature	0°C ~ 85°C (TJ)
Package / Case	256-BGA
Supplier Device Package	256-FPBGA (17x17)
Purchase URL	https://www.e-xfl.com/product-detail/lattice-semiconductor/lfx125eb-03f256c

Email: info@E-XFL.COM

Address: Room A, 16/F, Full Win Commercial Centre, 573 Nathan Road, Mongkok, Hong Kong



Product Line	Ordering Part Number	Product Status	Reference PCN
	LFX500B-03F516C		
	LFX500B-04F516C		
	LFX500B-05F516C		
	LFX500B-03F900C	7	
LFX500B	LFX500B-03FN900C	Discontinued	PCN#09-10
	LFX500B-04F900C	7	
	LFX500B-04FN900C		
	LFX500B-05F900C	7	
	LFX500B-05FN900C		
	LFX500C-03F516C		
	LFX500C-04F516C		
LFX500C	LFX500C-03F900C	Discontinued	DCN#00 40
LFX500C	LFX500C-03FN900C	Discontinued	PCN#09-10
	LFX500C-04F900C		
	LFX500C-04FN900C		
	LFX1200B-03FE680C		
	LFX1200B-04FE680C		
LFX1200B	LFX1200B-05FE680C	Discontinued	PCN#03A-10
	LFX1200B-03F900C	Discontinued	F GN#03A-10
	LFX1200B-04F900C		
	LFX1200B-05F900C		
	LFX1200C-03FE680C		
LFX1200C	LFX1200C-04FE680C	Discontinued	PCN#03A-10
LI X 1200C	LFX1200C-03F900C	Discontinued	1 CN#03A-10
	LFX1200C-04F900C		
	LFX125EB-03F256C		
	LFX125EB-03FN256C		
	LFX125EB-04F256C		
	LFX125EB-04FN256C		
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	LFX125EB-04F516C		
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	LFX125EB-04F516I		
	LFX125EC-03F256C		
	LFX125EC-03FN256C	_	
LFX125EC	LFX125EC-04F256C	Discontinued	PCN#09-10
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	LFX125EC-03F256I		
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