

Operational Description

The CPU U1 is STM32F103C8T6, it have an 32-bit RISC ARM® Cortex®-M3 Core processor integrated, operation frequency is 72MHz, It needs an 8MHz crystal X1 for system reference frequency, and needs a 32.768KHz crystal X2 for RTC circuits. This chip is responsible to control the UHF RFID Module UM24 and the Ethernet Controller W5500. The W5500 chip needs a 25MHz crystal X3 of reference frequency, It is a Hardwired TCP/IP embedded Ethernet controller that provides easier Internet connection to FR4A system. (請簡述該產品資訊及操作功能，可參考以上敘述方式)

The product integrated a UHF RFID module, which is based on Impinj Indy R2000 chipset that provides function of EPCglobal UHF Class 1 Gen 2 / ISO 18000-63 (formerly 18000-6C). The module is designed as four antennas. And its modulation type is DSB, SSB, and PR-ASK. The UHF RFID of FR4A operating frequency is 902-928MHz. (請敘述模組規格/功能及產品IC chipset，可參考以上敘述方式並須與該方塊及線路一致)

It does not support any non-US channels in all the operational mode(s) (請依產品實際狀況宣告), and all non-US frequencies and country code selection are disabled through proprietary software and user cannot modify. (請依產品實際狀況宣告)
It also can NOT be activated by users of the product by any means. (請依產品實際狀況宣告，若有其他功能或是注意事項也請列出)

The below are specification of this product (以下規格的所有項目皆須提供)

Product name	UHF RFID Reader		
Model Number	FR4A		
EUT Functions	EPCglobal UHF Class 1 Gen 2 / ISO 18000-63 (formerly 18000-6C)		
EUT Power Rating	Powered from AC Adapter I/P: 100-240VAC, 50/60Hz, 1.0A O/P: 12 VDC, 2.0A		
Frequency Range (請填入所有支援操作頻率)	902 ~ 928 MHz		
Transmit Power (請填入所有power)	Mode	Frequency Range	Output Power (W)
	EPC C1G2/ISO 18000-63	902 ~ 928 MHz	1
Number of Channels	902 – 928 MHz: 50 Channels		
Modulation Type	DSB, SSB, and PR-ASK		

FCC ID/IC: XXXXXXXX

Tune up power: The output power setting of EUT is set in the factory and followed the max level in below.

Default setting: (請列出所支援規格的 Tune up power)

UHF

EPC C1G2/ISO 18000-63 (902 – 928 MHz): 30 dBm \pm 0.1 dB