

UTS offers multiple hardware solutions on industry standard VPX bus and FMC interface, targeted for communication and RADAR applications. The UTS-FMC-4-125 is 16 bit ADC solution, is ideal choice for multichannel IF processing applications. The card is offered with LPC-FMC connector, to mate with most of the industry standard carrier boards. With 125/250 MSPS sampling maximum upto40MHz/80MHz instantaneous bandwidth can be supported.



## Key features

- ❖ Four channel 16-bit ADC.
- ❖ Four channel synchronous sampling.
- ❖ AC coupling path .
- ❖ Perfect solution for telemetry , communication and Beamforming/Direction finding applications.

## Specifications

Parameter	Value
<b>Frequency range</b>	DC - 80 MHz
<b>Bandwidth (ADC)</b>	Maximum up to 40 MHz
<b>ADC resolution</b>	16-bits
<b>ADC sampling rate</b>	125 MSPS / 250 MHz
<b>ADC channels</b>	4
<b>Input coupling</b>	AC
<b>Full scale voltage</b>	2Vpp(10dBm) or 1Vpp (4dBm)
<b>Spurious frequency</b>	< -70dBFS
<b>components</b>	
<b>ADC SNR</b>	76 dB
<b>ADC power</b>	370mW
<b>consumption</b>	
<b>Digital expansion</b>	LPC-FMC
<b>connectors</b>	
<b>Clocking</b>	Internal or external
<b>Input connector</b>	SMA
<b>type</b>	
<b>Usage configuration</b>	Daughter card for FPGA boards
<b>Power</b>	12V, 1 Amp DC (FMC)
<b>Mechanical Size</b>	L: 9.25cm, W:7.20cm
<b>Weight</b>	90 grams

## Applications

- Software defined radios
- Multi channel data acquisitions
- Telemetry
- Direct IF applications
- Beam forming application
- Direction Finding
- Wireless communication receivers
- Aerospace and test measurement instruments
- Medical/test instrumentation.

## Ordering Information

Part number: UTS-FMC-4-XXX-YY  
 XXX - 125 or 250 (MSPS) clock speed  
 YY - AC/DC coupling

Four Ch 16-bit ADC FMC card

