

AM62x

Application Cores

Arm<sup>®</sup>  
Cortex<sup>®</sup>-A53

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512KB L2 with ECC

MCUSS With FFI

Arm<sup>®</sup>  
Cortex<sup>®</sup>-M4F

256KB TCM

PRUSS

System Memory

64KB OCRAM  
with ECC

GPMC

DDR4/LPDDR4  
with inline ECC  
(16b)

3x MMCSD

General Connectivity (Main Domain)

2-port Gb Ethernet w/ 1588

3x SPI

GPIO

8x UART

3x ePWM

CAN-FD

3x eCAP

5x I2C

3x eQEP

OSPI

2x USB 2.0

General Connectivity (MCUSS)

GPIO

2x SPI

UART

2x CAN-FD

I2C

Multimedia

2x Display  
with DPI  
and OLDI/LVDS

3D Graphics  
Processing Unit

3x McASP

CSI2 w/ DPHY

Security

HSM  
(Secure Boot)

426KB SRAM

SHA

MD5

PKA

AES

DRBG

TRNG

SMS

System Services

Device/Power  
Manager

System  
Monitor

DMA

Debug

Firewall

IPC

Secure  
Boot

DCC

ESM

ECC

Timers