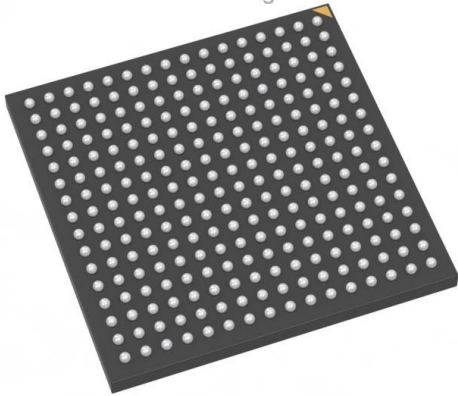


# A2F500M3G-1FGG256I Datasheet

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DiGi Electronics Part Number	A2F500M3G-1FGG256I-DG
Manufacturer	<a href="#">Microchip Technology</a>
Manufacturer Product Number	A2F500M3G-1FGG256I
Description	IC SOC CORTEX-M3 100MHZ 256FBGA
Detailed Description	ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion® ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops 100MHz 256-FPGA (17x17)

This model A2F500M3G-1FGG256I is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

A2F500M3G-1FGG256I

**Series:**

SmartFusion®

**Architecture:**

MCU, FPGA

**Flash Size:**

512KB

**Peripherals:**

DMA, POR, WDT

**Speed:**

100MHz

**Operating Temperature:**

-40°C ~ 100°C (TJ)

**Supplier Device Package:**

256-FPBGA (17x17)

**Base Product Number:**

A2F500

**Manufacturer:**

Microchip Technology

**Product Status:**

Active

**Core Processor:**

ARM® Cortex®-M3

**RAM Size:**

64KB

**Connectivity:**

EBI/EMI, Ethernet, I2C, SPI, UART/USART

**Primary Attributes:**

ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops

**Package / Case:**

256-LBGA

**Number of I/O:**

MCU - 25, FPGA - 66

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8542.39.0001

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**ECCN:**

3A991D

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