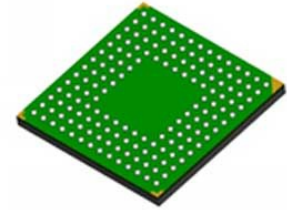


Field Programmable Gate Array, 13824 CLBs, 600000Gates, 350MHz, 13824-Cell, CMOS, PBGA256, 17 X 17MM, 1.6MM HEIGHT, 1MM PITCH, FBGA-256

Manufacturers	Microchip Technology, Inc
Package/Case	256-LBGA
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for A3P600-FG256I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

ProASIC3, the third-generation family of Microsemi flash FPGAs, offers performance, density, and features beyond those of the ProASICPLUS® family. Nonvolatile flash technology gives ProASIC3 devices the advantage of being a secure, low power, single-chip solution that is Instant On. ProASIC3 is reprogrammable and offers time-to-market benefits at an ASIC-level unit cost. These features enable designers to create high-density systems using existing ASIC or FPGA design flows and tools.

ProASIC3 devices offer 1 kbit of on-chip, reprogrammable, nonvolatile FlashROM storage as well as clock conditioning circuitry based on an integrated phase-locked loop (PLL). The A3P015 and A3P030 devices have no PLL or RAM support.

ProASIC3 devices have up to 1 million system gates, supported with up to 144 kbits of true dual-port SRAM and up to 300 user I/Os. ProASIC3 devices support the ARM Cortex-M1 processor. The ARM-enabled devices have Microsemi ordering numbers that begin with M1A3P (Cortex-M1) and do not support AES decryption.

Features

High Capacity

Reprogrammable Flash Technology

High Performance

In-System Programming (ISP) and Security

Low Power

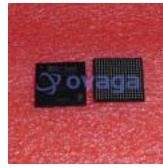
High-Performance Routing Hierarchy

Related Products



[A3P400-PQG208I](#)

Microchip Technology, Inc
208-BFQFP



[A3P400-FG256I](#)

Microchip Technology, Inc
256-LBGA



[A3P600-PQ208I](#)

Microchip Technology, Inc
PQFP208I



[A3P600-PQG208I](#)

Microchip Technology, Inc
208-BFQFP



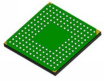
[A3P600-PQG208](#)

Microchip Technology, Inc
PQFP208



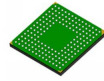
[A3P030-VQ100I](#)

Microchip Technology, Inc
100-TQFP



[M1A3P1000L-FG144I](#)

Microchip Technology, Inc
144-LBGA



[M1A3P1000L-1FG144I](#)

Microchip Technology, Inc
144-LBGA