



### 10AS066K2F35I2SG

Part Number: **10AS066K2F35I2SG**  
 Product Description: IC SOC FPGA 396 I/O 1152FBGA  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [1.10AS066K2F35I2SG.pdf](#)  
[2.10AS066K2F35I2SG.pdf](#)  
[3.10AS066K2F35I2SG.pdf](#)

Manufacturer/Brand: Intel® FPGAs  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

<b>Part Number</b>	10AS066K2F35I2SG	<b>Manufacturer</b>	Intel® FPGAs
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<b>Data sheet</b>	1.10AS066K2F35I2SG.pdf2.10AS066K2F35I2SG.pdf3.10AS066K2F35I2SG.pdf		
<b>Supplier Device Package</b>	1152-FBGA (35x35)	<b>Speed</b>	1.5GHz
<b>Series</b>	Arria 10 SX	<b>RAM Size</b>	256KB
<b>Primary Attributes</b>	FPGA - 660K Logic Elements	<b>Peripherals</b>	DMA, POR, WDT
<b>Packaging</b>	Tray	<b>Package / Case</b>	1152-BBGA, FCBGA
<b>Operating Temperature</b>	-40°C ~ 100°C (TJ)	<b>Number of I/O</b>	396
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)	<b>Manufacturer Standard Lead Time</b>	12 Weeks
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant	<b>Flash Size</b>	-
<b>Detailed Description</b>	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™ System On Chip (SOC) IC Arria 10 SX FPGA - 660K Logic Elements 256KB 1.5GHz 1152-FBGA (35x35)	<b>Core Processor</b>	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™
<b>Connectivity</b>	EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	<b>Architecture</b>	MCU, FPGA

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