



STMicroelectronics

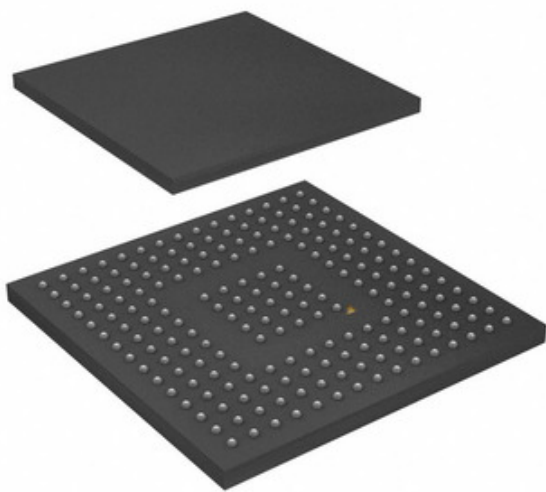


Image may be representation. See specifications for product details.

STM32F745IGK6

|                     |                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F745IGK6                                                                                                                                                                                                  |
| Manufacturer/Brand: | STMicroelectronics                                                                                                                                                                                             |
| Product description | IC MCU 32BIT 1MB FLASH 176UFBGA                                                                                                                                                                                |
| Datasheets:         |  1.STM32F745IGK6.pdf<br> 2.STM32F745IGK6.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                   |
| Stock Condition     | 6721 pcs stock                                                                                                                                                                                                 |
| Ship From           | Hong Kong                                                                                                                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                          |

REQUEST FOR QUOTATION

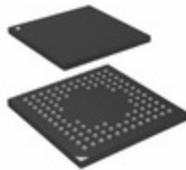
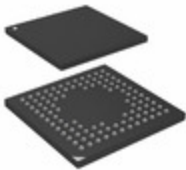
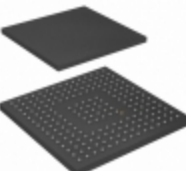
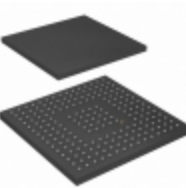
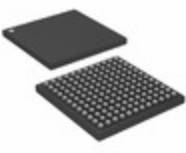
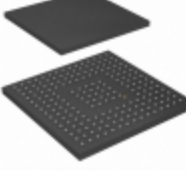
Specifications of STM32F745IGK6

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F745IGK6                                                                                                                                                                                                      |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 176UFBGA                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 6721 pcs                                                                                                                                                                                                           |
| DATA SHEET                       |  1.STM32F745IGK6.pdf<br> 2.STM32F745IGK6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 176+25UFBGA (10x10)                                                                                                                                                                                                |
| SPEED                            | 216MHz                                                                                                                                                                                                             |
| SERIES                           | STM32F7                                                                                                                                                                                                            |
| RAM SIZE                         | 320K x 8                                                                                                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                                                                                                                                       |
| PACKAGING                        | Tray                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 201-UFBGA                                                                                                                                                                                                          |
| OTHER NAMES                      | 497-16620                                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 140                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| EEPROM SIZE                      | -                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M7 STM32F7 Microcontroller IC 32-Bit 216MHz 1MB (1M x 8) FLASH 176+25UFBGA (10x10)                                                                                                                    |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                                                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M7                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, SAI, SD, SPDIF-Rx, SPI, UART/USART, USB OTG                                                                                                             |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F745IGK6 | STM32F745IGK6 Distributor        | STM32F745IGK6 Supplier               |
| STM32F745IGK6 Price              | STM32F745IGK6 Pictures           | STM32F745IGK6 Image                  |
| STM32F745IGK6 PDF Datasheet      | STM32F745IGK6 Download Datasheet | STM32F745IGK6 Datasheet              |
| STM32F745IGK6 Stock              | Buy STM32F745IGK6                | Buy STMicroelectronics STM32F745IGK6 |
| STMicroelectronics STM32F745IGK6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STM32F745IGK6                    |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F745VEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100BGA<br/>In stock: 15180 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32F745VGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100BGA<br/>In stock: 11524 pcs<br/><b>RFQ</b></div>     |
|  <div><b>STM32F745VET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 8180 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32F745IGK6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 10X10X0.6 176+<br/>In stock: 9753 pcs<br/><b>RFQ</b></div>             |
|  <div><b>STM32F745IET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176LQFP<br/>In stock: 8640 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32F745IEK6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176BGA<br/>In stock: 7048 pcs<br/><b>RFQ</b></div>    |
|  <div><b>STM32F745VEH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: TFBGA 8X8 100L F10X1<br/>In stock: 11762 pcs<br/><b>RFQ</b></div>           |  <div><b>STM32F733ZEI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 14437 pcs<br/><b>RFQ</b></div>   |
|  <div><b>STM32F733ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 12312 pcs<br/><b>RFQ</b></div> |  <div><b>STM32F745IEK7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176BGA<br/>In stock: 11150 pcs<br/><b>RFQ</b></div> |
|  <div><b>STM32F745IEK7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176BGA<br/>In stock: 10323 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32F745IGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 7159 pcs<br/><b>RFQ</b></div>     |