

# global business conversion



CAPABILITIES

## Taking your business global?



Arrow has 29 logistics facilities, including four programming centers, servicing the globe.

*Arrow's successful global model utilizes the expertise of all our sales regions, which include Asia, the Americas, and Europe, to leverage local knowledge and expertise. Our model has been in place for almost a decade and is sustainable through all business cycles.*



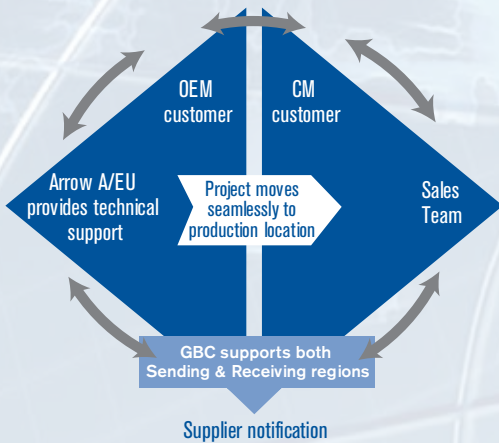
### **Streamline Your Business Transfer and Simplify Your Global Supply Chain Today!**

Get started on a cost-effective business transfer solution with Arrow Global Business Conversion by going to [www.arrownac.com/GBCNeeds](http://www.arrownac.com/GBCNeeds) and completing a Customer Needs Analysis for Transfer Business Questionnaire.

# ARROW GLOBAL BUSINESS CONVERSION OFFERS THE EXPERTISE, FACILITIES, AND SOLUTIONS YOU NEED.

You're taking your business global. If you're wondering what the next step is, contact your local Arrow field sales representative to discuss Arrow Global Business Conversion capabilities. Arrow can streamline the transfer process for you with cost-effective solutions and support. Our dedicated global team, combined with our best-in-class capabilities, will make the transition seamless.

## Arrow GBC Provides Total Support for All of Your Business Regions



Arrow offers a vast range of services and access to numerous contract manufacturers in the region of your choice, dedicated to ensure the efficient transfer of your business while freeing up your time. Decades of experience with one of the world's most complex supply chains—our own—means you can tap into our expertise whether your company is emerging, small, large, or complex, with confidence that we'll meet your business needs.

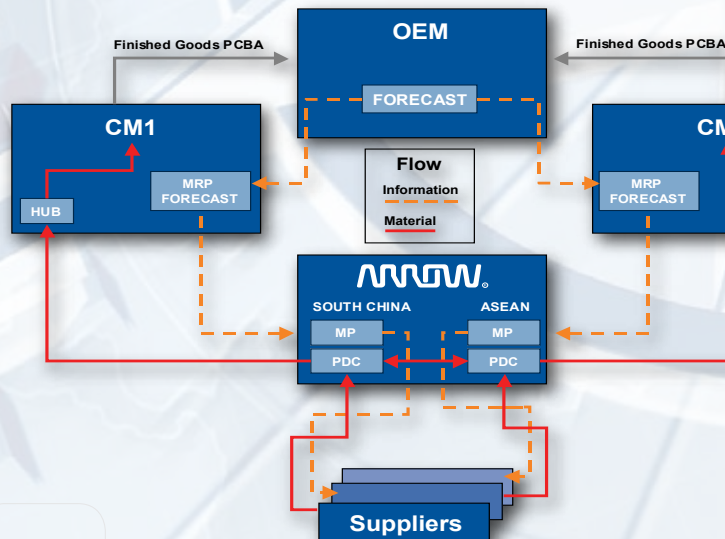
Arrow Global Business Conversion fully supports both the original equipment manufacturer (OEM) and contract manufacturer (CM) relationships in each business region. Whether you are an OEM customer moving your production to a CM or to another one of your own facilities in another region, Arrow can help ensure a seamless transfer and continued local support. Through meaningful communication and detailed preparation, Arrow can greatly improve your time to market.

Arrow Global Business Conversion can streamline your global business transfer and provide cost-effective solutions backed by industry-leading expertise and best-in-class capabilities. Save time and resources and experience a seamless transfer with Arrow.

## Our best-in-class capabilities include:

- Warehouse operations featuring layout, storage, pick, pack, and ship services, as well as our proprietary Warehousing Management System
- Transportation management practices, including carrier negotiation, order consolidation, and our Transportation Management System
- Leadership in overall supply chain management services
- Programming services that provide a flexible, high-quality, global solution for your custom code in programmable devices

## Arrow's Global Supply Chain Model Example:



## Arrow Global Business Conversion Strengths

- Local design and engineering support
- Global line card provides the lowest cost model
- Global inventory movement capabilities
- World-class logistics capabilities
- Renowned supply chain services
- Global procurement practices eliminate risk of counterfeit parts
- Global quoting capabilities
- Our transfer model is not a separate cost of doing business
- Strong relationships with local contract manufacturers
- Arrow manages day-to-day processes and transactions to free up your time
- Reporting capabilities ensure OEM customer awards are adhered to by contract manufacturer
- Numerous inventory models, including buffer/bonding and proximity warehouses
- Ability to transact business in local currencies in addition to U.S. currency



For more information, visit [www.arrownac.com/GBC](http://www.arrownac.com/GBC), or call your local Arrow representative at 1.800.833.3557.



# Performance without Sacrifice

RX 32-bit Flash MCUs: all the real-time control, signal processing, and connectivity you need...without penalty

**100MHz**  
**165 DMIPS**  
**Zero-wait Flash**  
**500µA/MHz**

Introducing the RX600 Series of MCUs based on the revolutionary new RX CPU core, offering a wide range of connectivity and memory options.

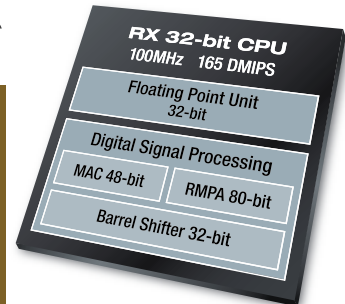
Ethernet, USB OTG, CAN, TFT-LCD, precision analog, and specialized motor control functions are just a few of the features enabling RX600 to span a broad range of intense embedded control applications.

The RX CPU core was designed to strike a perfect balance of performance and small code size using a rich CISC instruction set running on an enhanced Harvard architecture CPU core with a 5-stage instruction pipeline, achieving 1.65 DMIPS/MHz. Tightly coupled to the CPU is a Floating Point Unit (FPU) and a Multiply Accumulate (MAC) unit enabling powerful DSP and

math capabilities, plus efficient motor/position control.

Full CPU performance is unleashed with the fast embedded 90 nanometer Flash memory, feeding instructions to the CPU with no delays all the way up to 100MHz, maintaining a peak performance of 165 DMIPS and maximizing determinism. No waits, no stalls, no memory acceleration is required – just pure predictable performance.

Special attention to low power was designed into the RX MCUs as they consume just 500µA/MHz with all peripherals active, and the RX610 consumes less than 1µA in deep standby mode (typical conditions).



Memory
Zero-wait Flash up to 2MB
SRAM up to 128KB
Data Flash up to 32KB

System
DMA & Event System
Fast Interrupt Handler
Clock Generation
POR/LVD

Analog
12-bit ADC Prog Op Amps Multi-sample/Hold Comparators
10-bit ADC
10-bit DAC

Timers
Motor Control 3-phase PWM Dead-time Insertion Shunt Control PFC, QEI
Timer Pulse Unit
Compare/Match Timer
General Purpose Timer
Multi-function Timer
Prog Pulse Generator
Watchdog Timer
Real-time Clock

Communication
Ethernet 10/100 MAC with DMA
USB 12Mbps Host/Device/OTG
CAN
LIN
I <sup>2</sup> C
SCI/UART
SPI
External Bus with SDRAM
GPIO

RX600 Series	
> 64KB to 2MB Flash	> Full Integrated Development Environment with Renesas HEW, IAR EWRX, and GNU/Eclipse packages
> 8KB to 128KB SRAM	
> 64 pin to 176 pin packages	

Learn about the entire RX family and solutions at [www.am.renesas.com/rx](http://www.am.renesas.com/rx)

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 Solutions for Innovation

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 Orange County, CA

