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## BCM20732I

**Status:** NRND: Recommended [CYW20732I](#)

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### BCM20732I

Automotive Grade	No
Automotive Qualified	N
Bluetooth Specification	Bluetooth 4.0
CPU Core	ARM Cortex M3
Cypress Module Area (mm)	6.5 x 6.5 x 1.2
Dedicated ADC (Max. Resolution @ Sampling Rate)	10-bit @ 187 KHz (Static) 13-bit @ 5.8 KHz (Audio)
Device Type	Module

Interfaces	2 UART, 2 SPI, I2C
Max. Operating Frequency (MHz)	24
Max. Operating Temp. (°C)	85
Max. Operating Voltage (V)	3.60
Min. Operating Temp. (°C)	-30
Min. Operating Voltage (V)	1.40
Module Features	Integrated antenna and 24 MHz crystal, FCC and CE compliant
No. of Dedicated Timer/Counter/PWM Blocks	4
No. of GPIOs	14
Partner Modules Available	N
Power-Class	Class 2, Class 3
Product Family	BCM20732
RAM (KB)	60
Silicon Features	Infrared TX/RX
Software Support	Partner SDK
Tape & Reel	N
Wireless Technology	Bluetooth Low Energy

### PRICING & INVENTORY AVAILABILITY

1-9 unit Price*	10-24 unit Price*	25-99 unit Price*	100-249 unit Price*	250-999 unit Price*	1000+ unit Price*
<a href="#">Contact Sales</a>					

Availability	Quantity	Ships In	Buy from Cypress	Buy from Distributors
Out of Stock	0	Please click <a href="#">here</a> to check lead times	<a href="#">Contact Sales</a>	<a href="#">Contact Sales</a>

### TRAINING

[Workshops](#)  
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\* Prices are shown in United States dollars and are for budgetary use only for volume of 1ku

PACKAGING/ORDERING	
No. of Pins	48
Package Cross Section Drawing	<a href="#">Download</a>
Package Carrier	TRAY
Package Carrier Drawing / Orientation	<a href="#">Package Orientation</a>
Standard Pack Quantity	1820
Minimum Order Quantity (MOQ)	260
Order Increment	260
HTS Code	8542.31.0000
ECCN	None
ECCN Suball	5A992C

QUALITY AND ROHS	
Moisture Sensitivity Level (MSL)	3
Peak Reflow Temp. (°C)	260 ( <a href="#">Cypress Reflow Profile</a> )
RoHS Compliant	Y <a href="#">Print RoHS Certificate of Compliance</a>
PB Free	Y
Lead/Ball Finish	Ni/Au
Marking	<a href="#">Cypress Marking Format</a>

### TECHNICAL DOCUMENTS

#### Product Information Notice (PIN) (1)

[PIN162703: Acquisition of Broadcom's Internet of Things Business Jul 25, 2016](#)

**Product Overviews (1)**

BCM20732 Product Brief Jul 04, 2016

**Products**

Wireless Connectivity  
 WICED Wi-Fi  
 Bluetooth Low Energy  
 32-bit ARM® Cortex® MCUs  
 Programmable System-on-Chip  
 Universal Serial Bus (USB)  
 Memory  
 Touch Sensing  
 Power Management ICs  
 Clocks & Buffers

**Applications**

Internet of Things (IoT)  
 Aerospace & Defense  
 Automotive Solutions  
 Home Appliance  
 Medical  
 Consumer Electronics  
 Communication & Telecom  
 Industrial  
 Wireless  
 Reference Designs

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 WICED IoT Community  
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 RoHS & Green  
 Design Partner Program  
 WICED IoT Partners  
 Product Roadmaps

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