

Image may be representation.
See specifications for product details.



ATWINC1500B-MU-Y

Manufacturer Part Number	ATWINC1500B-MU-Y
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATWINC1500B-MU-Y
ECAD Model	Request Free CAD Models
Parts Description	IC RF TXRX+MCU WIFI 40VFQFN
Package	40-VFQFN Exposed Pad
Data sheet	ATWINC15x0B-MU.pdf ATWINC1500B-MU.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATWINC1500B-MU-Y - Microchip Technology.New Original in Stock. Download Linear Technology ATWINC1500B-MU-Y datasheet/specifications on AllelcoElec.com.
Request a quote for ATWINC1500B-MU-Y, please send us email: info@allelco.com

Specifications

ATWINC1500B-MU-Y Tech Specifications
ATWINC1500B-MU-Y - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tray
Voltage - Supply	2.7V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx + MCU	Mounting Type	Surface Mount
Supplier Device Package	40-QFN (5x5)	Modulation	CCK, DSSS, OFDM
Series	-	Memory Size	4MB Flash, 128kB ROM, 224kB RAM
Serial Interfaces	I ² C, SDIO, SPI, UART	GPIO	9
Sensitivity	-98dBm	Frequency	2.4GHz
RF Family/Standard	WiFi	Data Rate (Max)	72.2Mbps
Protocol	802.11b/g/n	Current - Transmitting	22mA ~ 294mA
Power - Output	20.5dBm	Current - Receiving	22mA ~ 58.5mA
Package / Case	40-VFQFN Exposed Pad	Base Product Number	ATWINC1500

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATWINC1500B-MU-Y

Product Attribute				
Part Number	ATWINC1500B-MU-Y	ATWINC3400A-MU-T	ATWINC1500B-MU-T	ATWILC1000-MR1100A
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Sensitivity	-98dBm	-98dBm	-98dBm	-98dBm
Voltage - Supply	2.7V ~ 3.6V	2.7V ~ 3.6V	2.7V ~ 3.6V	1.8V ~ 3.6V
Power - Output	20.5dBm	20dBm	20.5dBm	19dBm
Protocol	802.11b/g/n	802.11b/g/n, Bluetooth v4.0	802.11b/g/n	802.11b/g/n
Memory Size	4MB Flash, 128kB ROM, 224kB RAM	256kB ROM, 708kB RAM	4MB Flash, 128kB ROM, 224kB RAM	128kB ROM, 224kB RAM
Package / Case	40-VFQFN Exposed Pad	48-VFQFN Exposed Pad	40-VFQFN Exposed Pad	Module
Current - Transmitting	22mA ~ 294mA	276mA ~ 325mA	22mA ~ 294mA	230mA
Series	-	-	-	-
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
RF Family/Standard	WiFi	Bluetooth, WiFi	WiFi	WiFi
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Current - Receiving	22mA ~ 58.5mA	83.7mA ~ 91.8mA	22mA ~ 58.5mA	68mA
Modulation	CCK, DSSS, OFDM	8PSK, GFSK, QPSK	CCK, DSSS, OFDM	16QAM, 64QAM, BPSK, CCK, DBPSK, DQPSK, DSSS, OFDM, QPSK
Base Product Number	ATWINC1500	ATWINC3400	ATWINC1500	ATWILC1000
GPIO	9	18	9	6
Type	TxRx + MCU	TxRx + MCU	TxRx + MCU	TxRx + MCU
Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Serial Interfaces	I ² C, SDIO, SPI, UART	I ² C, SDIO, SPI, UART	I ² C, SDIO, SPI, UART	I ² C, SDIO, SPI, UART
Data Rate (Max)	72.2Mbps	72.2Mbps	72.2Mbps	72.2Mbps
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
Supplier Device Package	40-QFN (5x5)	48-QFN (6x6)	40-QFN (5x5)	-

ATWINC1500B-MU-Y Datasheet PDF

Download ATWINC1500B-MU-Y pdf datasheets and Microchip Technology documentation for ATWINC1500B-MU-Y - Microchip Technology.

Datasheets

[ATWINC15x0B-MU.pdf](#)

[ATWINC1500B-MU.pdf](#)

PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

Boxes 07/Dec/2016.pdf

PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

ATWINC15x0B-MU 14/Aug/2020.pdf

Errata

ATWINC15x0B/ATWINC15x0-MR210xB Errata~.pdf

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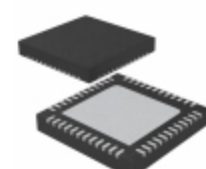
ATWINC1500-XPRO

Microchip Technology
ATWINC1500 EXTENSION BOARD



ATWILC1000-MR110PA

Atmel
MICROPROCESSOR CIRCUIT, CMOS



ATWINC3400A-MU-T

Microchip Technology
IC RF TXRX+MCU BLUETOOTH 48VQFN



ATWINC1500-MR210UB1954

Microchip Technology
RF TXRX MOD WIFI CHIP + U.FL SMD



ATWILC1000-MR110PB

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RF TXRX MOD WIFI TRACE ANT SMD



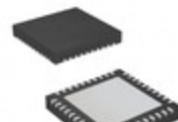
ATWILC1000-MR110PA

Microchip Technology
RF TXRX MODULE WIFI TRACE ANT



ATWINC3400-MR210CA122

Microchip Technology
RF TXRX MODULE WIFI CHIP SMD



ATWINC1500B-MU-T

Microchip Technology
IC RF TXRX+MCU WIFI 40VQFN



ATWINC1500-MR210PB1961

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RF TXRX MOD WIFI TRACE ANT SMD



ATWILC1000-MR1100A

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IC RF TXRX+MCU WIFI MODULE



ATWILC1000A-MU-Y

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IC RF TXRX+MCU WIFI 40VQFN



ATWINC1500-MR210PB

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RF TXRX MOD WIFI TRACE ANT SMD



ATWINC1500-MR210PB1954

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RF TXRX MOD WIFI TRACE ANT SMD



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RF TXRX MODULE WIFI CHIP SMD



ATWINC1500A-MU-T

Microchip Technology
IC RF TXRX+MCU WIFI 40VQFN



ATWILC1000B-MU-T

Microchip Technology
IC RF TXRX+MCU WIFI 40VQFN



ATWINC1500-MR210PA

Microchip Technology
RF TXRX MODULE WIFI TRACE ANT

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

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Email

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Certifications & Memberships



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