



## iR700B Specification

### Product Description

#### Marketing Description

iR700B is a 4G-WiFi wireless M2M router for business using 4G wireless communications modules such as LTE and WiMAX2+, as well as 3G and PHS wireless communication module. By using mini PCI-Express card slot for the internal interface, it is possible to equip with every type of wireless WAN certified communications module, including 4G LTE, WiMAX2+, 3G HSPA, and PHS. The list of available communications modules includes not only full and half-size mini PCI-Express cards, but through the use of a conversion adapter, M.2 (NGFF) standard modules can be installed as well. Also, by equipping with RS232/RS485 interface compliant serial data D+/D- terminal, WiFi, and Ethernet, you can connect the router directly to existing equipment.

iR700B Series also able to use for IOT solution for enterprise business such as POS terminals, vending machines, fare collecting machines, remote control devices, plant factories, etc. It able to customized Linux app design/implementation to be visualize and analysis their business.

#### Key Selling Points

- Multiple network supported ( 4G LTE , UMTS/HSDPA(3G) , WiMAX2+, PHS)
- Easy-to-see network strength LED indicator
- Remote monitoring and remote control
- Normal/abnormal connection monitoring, automatic recovery feature
- Multiple external interfaces supported (LAN / WAN, RS232 / 485, D-/D+ terminals, USB)

Main Specifications	
Product Description	iR700B-WW- wireless router
Device Type	Wireless M2M router
Enclosure Type	Desktop
Service Provider	Verizon, AT&T
Cellular Protocol	4G LTE (TD-LTE/FD-LTE), UMTS/HSDPA (3G mobile phone network), WiMAX2+, PHS
Data Link Protocol	Ethernet, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (1T1R)
Capacity	VPN tunnels : 1
Features	Address translation, Firewall function, Dynamic DNS, Normal/Abnormal connection monitoring , Automatic recovery feature (Auto Reboot), Automatic Software Update(OTA)
Power	AC 100/240 V ( 50/60 Hz )
Dimensions (WxDxH)	1.0 in x 5.0 in x 3.0 in
Weight	9.7 oz.
Localization	United States

<b>General</b>	
Device Type	Wireless M2M router
Service Provider	Desktop
Enclosure Type	Verizon, AT&T
Connectivity Technology	LTE 4G, 3G, 2G
Data Link Protocol	Ethernet, Fast Ethernet, RS-232
Capacity	VPN tunnels : 1
Network / Transport Protocol	TCP, UDP
Encryption Algorithm	3DES, DES, AES128.
Hash Algorithm	MD5, SHA1
Authentication Method	PSK
Features	Address translation, Firewall function, Dynamic DNS, Normal/Abnormal connection monitoring , Automatic recovery feature (Auto Reboot), Automatic Software Update(OTA)
Compliant Standards	FCC/IC
RAM	64MB DDR2 SDRAM
SPI FLASH	8 MB
Status Indicators	LED status indicator
<b>Communications</b>	
Type	Wireless cellular modem
Cellular Protocol	LTE 4G, 3G, 2G
<b>Expansion / Connectivity</b>	
Interfaces	LAN/WAN (RJ-45) x 4 , DIO x 1 (D-/D+ terminals)
	RS232 / 485 x 1 (RJ45 to D-sub 9-pin adapter cable)
	microSD slot
	Mode button
	Reset button
Expansion Slots	USB USB2.0 Host(High-Speed USB compatible)
Expansion Slots	1 SIM
<b>Antenna</b>	
Antenna	External detachable
<b>Power</b>	
Power Device	External power adapter
Voltage Required	AC 100/240 V ( 50/60 Hz )
Power Consumption Operational	5 W(Max)
<b>Miscellaneous</b>	
Localization	United States
<b>Dimensions &amp; Weight</b>	
Width	5.0 in
Depth	3.0 in
Height	1.0 in
Weight	9.7oz(withour antenna or AC adaptor)
<b>Environmental Parameters</b>	
Min Operating Temperature	32 °F
Max Operating Temperature	122 °F
Humidity Range Operating	10 - 95% (no condensation)