

## H690 Cellular Router Datasheet



### >>| Product Introduction

The H690 series 2G/3G/4G Cellular Router designed for establish a Wi-Fi wireless network and share a cellular broad band Internet connection. The H690 series Cellular Router enables users to quickly create a secure Wi-Fi (802.11 b/g/n) network and provide access to the Internet using a cellular network. By connect to 2G/3G/4G networks; an Internet connection can be accessed and shared virtually anywhere within a wireless broadband network.

### >>| Typical Diagram



## >>| Specification

Wireless	
<b>Compatible Mobile Networks</b>	<ul style="list-style-type: none"> <li>• HSUPA HSDPA HSPA HSPA+</li> <li>• UMTS</li> <li>• EDGE</li> <li>• GPRS GSM</li> <li>• CDMA1x and CDMA2000 EVDO Rev 0 Rev A</li> <li>• 4G LTE</li> </ul>
<b>Cellular Frequency</b>	<ul style="list-style-type: none"> <li>• UMTS/HSPA+/HSPA/HSUPA/HSDPA (WCDMA/FDD) 850/1900/2100 MHz or 850/900/1900/2100Mhz</li> <li>• Quad-band EGSM 850/900/1800/1900</li> <li>• 4G LTE 700(B17)/AWS or 800/900/1800/2100/2600MHz or 700(B13)MHz</li> </ul>
<b>Bandwidth</b>	<ul style="list-style-type: none"> <li>• HSPA HSPA+ Version (for H690p Model) Downlink 21 Mbps Uplink 5.76 Mbps</li> <li>• HSUPA Version (for H690u Model) Downlink 7.2Mbps Uplink 5.76 Mbps</li> <li>• HSDPA Version (for H690d Model) Downlink 7.2 Mbps Uplink 384k bps</li> <li>• WCDMA/UMTS Downlink/Uplink 384 kbps</li> <li>• EDGE Downlink 236,8 kbps Uplink 118 kbps</li> <li>• GPRS Downlink 85.6 kbps Uplink 42.8 kbps</li> <li>• CDMA1x Downlink/Uplink 153.6kbps</li> <li>• CDMA EVDO Rev A: 3.1Mbps downlink, 2.4Mbps uplink Rev O: 2.4Mbps downlink, 153.6kbps uplink</li> <li>• 4G LTE</li> </ul>

	Downlink: 100Mbps, Uplink:50Mbps
<b>Wi-Fi</b>	<ul style="list-style-type: none"> <li>• 802.11b/g/n; Frequency from 2.4GHz to 2.483GHz, Access Points, Routers and Gateway Server Applications, wireless up to 32 PC users</li> </ul>
<b>Protocol</b>	
<b>Protocol support</b>	TCP, UDP, SMTP, POP, ICMP, FTP, PPP, PPPoE, DHCP, DNS, WPS, NAT, NAPT, DMZ, DDNS
<b>VPN</b>	VPN pass through
<b>Security</b>	
<b>Security</b>	64/128-bit WEP (Wired Equivalent Privacy) WPA & WPA2 (Wi-Fi Protected Access)
<b>Advanced Firewall Features</b>	Network Address Translation (NAT) Stateful Packet Inspection (SPI) VPN Pass-through
<b>Media Access Control</b>	CSMA/CA with ACK
<b>Certifications</b>	REDIUS Client
<b>Interface</b>	
<b>LAN &amp; WAN</b>	1X 10/100M LAN port (RJ45 interface) 1X 10/100M WAN port (RJ45 interface)
<b>USB Host</b>	For external modem use
<b>Antenna</b>	1X antenna for Wi-Fi (Internal high-performance) 1X antenna for Cellular (External)
<b>Led</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• 3G</li> <li>• WAN</li> <li>• LAN (10/100M)</li> <li>• WIFI</li> </ul>
<b>UIM/SIM</b>	1.8V/3V
<b>Power</b>	

<b>Power supply</b>	DC5V-15V , typical DC9V1A, 12v CAR USE
<b>Power consumption</b>	<ul style="list-style-type: none"> <li>• Idle: 15mA@9VDC</li> <li>• Max: 250mA@9VDC</li> <li>• Average:110mA@9VDC</li> </ul>
<b>Software</b>	
<b>Device Management</b>	<ul style="list-style-type: none"> <li>• WEB interface (Internet Explorer v6 or Later; Mozilla Firefox v1.5 or Later, or other Java-enabled Browsers)</li> </ul>
<b>Minimum System Requirements</b>	Mobile Internet Access Subscription and Internet PC Adapter Computer with: <ul style="list-style-type: none"> <li>• Windows 7, Vista , Windows XP SP2, Windows 2000 SP4, or Mac OS® X (v10.4/v10.3), Linux</li> <li>• Internet Explorer 6 or Mozilla Firefox</li> <li>• CD-ROM Drive</li> <li>• Network Interface Card</li> </ul>
<b>Physical</b>	
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• Storage: 72°F to 153°F (-40°C to 90°C)</li> <li>• Working: 36°F to 126°F (-30°C to 80°C)</li> </ul>
<b>Humidity</b>	95% Maximum (Non-condensing)
<b>Dimensions</b>	120*80*26mm
<b>Weight</b>	210g (contain the antenna)
<b>Others</b>	
<b>Warranty</b>	1 Year
<b>Package Contents</b>	<ul style="list-style-type: none"> <li>• The H690 Series 3G wireless Router</li> <li>• CAT5 Ethernet Cable</li> <li>• DC9V1A Power Adapter</li> <li>• Antenna</li> <li>• CD-ROM with Product Documentation</li> </ul>
<b>Models</b>	<b>Marks</b>
H690d	HSDPA version, with 802.11b/g/n wifi; back compatible to

	EDGE/GPRS networks.
H690u	HSUPA version, with 802.11b/g/n wifi; back compatible to HSDPA/EDGE/GPRS networks.
H690p	HSPA+ version, with 802.11b/g/n wifi; back compatible to HSPA/HSUPA/HSDPA/EDGE/GPRS networks.
H690ev	EVDO version, with 802.11b/g/n wifi; back compatible to CDMA1x networks.
H690t	4G LTE version, with 802.11b/g/n wifi; Supported networks: 4G: LTE 3G: HSPA+/HSPA/HSUPA/HSDPA or CDMA2000 EVDO 2G: EDGE/GPRS/GSM or CDMA1x networks