

# EL-H685i Series HSUPA Router Datasheet



## >>| Product Introduction

The EL-H685i series 3G Cellular Router designed for establish a cellular broad band Internet connection. The EL-H685i series 3G Cellular Router enables users to quickly create a secure wireless network and provide access to the Internet using a cellular network. By connect to HSUPA network; an Internet connection can be accessed and shared virtually anywhere within a wireless broadband network.

E-Lins' mobile data products are widely used in more than 50 countries and regions, and more than twenty industrial fields, such as power control, water schedule, traffic, oil field, weather forecast, environmental protection, street lamp control, post, bank and many other areas.

## >>| Common Application

### ■ Access Private Networks

With The EL-H685i series 3G Cellular Router, government employees or corporate users can create a wireless network and provide colleagues with remote access to their secure private networks. It is ideal for off-site situations, such as crime scenes, where sharing information is critical.

### ■ Special Events

Share the Internet while working at special events. Whether you are at an industry convention, off-site meeting, sporting event, or backstage at a concert, The EL-H685i series 3G Cellular Router can keep your personnel and guests in touch with the world.

### ■ Internet Access for Commuters

By installing the 3G Cellular Router on a bus, train, or even a boat, you can allow passengers to check e-mail or chat online while commuting. Enhance their experience and increase the value of your services offered with the 3G Mobile Router.

## ■ Emergency Response

Whether you are providing relief for a natural disaster or coordinating the rescue of a lost hiker, you can quickly set up a wireless network and allow your team members to access e-mail, go online, and share important files.

## ■ For the Road

The EL-H685i series 3G Cellular Router lets you share a mobile Internet connection with your group when you are on-the-go for work or play. Stay on top of e-mails, chat with friends and family, get directions, read news, download music, or shop online.

## ■ Fixed Broadband Solution

The EL-H685i series 3G Cellular Router can be used as a fixed broadband Internet solution in homes or offices that do not have a cable or DSL service available, but are within a compatible mobile wireless network. Conversely, if you are already subscribing to a mobile Internet service, you can simply use the 3G Mobile Router in your home instead of paying extra for a wired high-speed Internet connection.

## ■ Void Surveillance

## >>| Industrial Application

- Remote Data Monitor and Control
- Water, gas and oil flow metering
- AMR (automatic meter reading)
- Power station monitoring and control
- Remote POS (point of sale) terminals
- Traffic signals monitor and control
- Fleet management
- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Vending machine
- Traffic info guidance
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

## >>| Features

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## ■ ADVANCED NETWORK SECURITY

The EL-H685i series 3G Cellular Router creates a secure Wi-Fi network by supporting the latest wireless security features to prevent unauthorized access. Support for WEP, WPA, and WPA2 ensure that you will be able to secure your Wi-Fi network, regardless of your client devices. In addition, the 3G Mobile Router utilizes dual active firewalls (SPI and NAT) to prevent potential attacks from across the Internet

## ■ EASY TO INSTALL AND USE

The EL-H685i series 3G Cellular Router sets up in minutes, making it easy to use while on-the-go. You can also directly connect Ethernet-based devices to its built-in 1-port full-duplex 10/100 switch. Set up a wireless network with The EL-H685i series 3G Cellular Router and provide your users with a secure, high-speed connection to the Internet virtually anywhere within a wireless broadband network.

## >>| Specification

Wireless	
<b>Compatible Mobile Networks</b>	<ul style="list-style-type: none"> <li>• HSUPA HSDPA</li> <li>• UMTS</li> <li>• EDGE</li> <li>• GPRS</li> </ul>
<b>Cellular Frequency</b>	<ul style="list-style-type: none"> <li>• UMTS/HSPA/HSUPA (WCDMA/FDD) 850/1900/2100 MHz</li> <li>• Quad-band EGSM 850/900/1800/1900</li> </ul>
<b>Bandwidth</b>	<ul style="list-style-type: none"> <li>• HSDPA/HSUPA Downlink 7.2 Mbps Uplink 2 Mbps, 5.7Mbps optional</li> <li>• WCDMA 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> </ul>
<b>Wi-Fi</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>

<b>Protocol</b>	
<b>Protocol support</b>	TCP, UDP, SMTP, POP, ICMP, FTP, PPP, PPPoE, DHCP, DDNS, DNS, SNMP, NAT, DMZ
<b>VPN</b>	VPN, IPsec, PPTP
<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>	RADIUS Client
<b>Interface</b>	
<b>LAN</b>	1X 10/100M LAN port (RJ45 interface)
<b>Antenna</b>	1X antenna for Wi-Fi (SMA interface) 1X antenna for 3G (50Ω SMA female interface)
<b>USB</b>	1X USB 2.0 Host for maintenance 1X USB 2.0 Host for other device
<b>Led</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Run</li> <li>• Cell</li> <li>• Link</li> <li>• LAN (10/100M)</li> <li>• VPN</li> <li>• Act</li> </ul>
<b>UIM/SIM</b>	1.8V/3V
<b>Power</b>	
<b>Power supply</b>	DC5V-25V , typical DC5V3A
<b>Power consumption</b>	<ul style="list-style-type: none"> <li>• Idle: 20mA@5VDC</li> <li>• Max: 300mA@5VDC</li> </ul>

	<ul style="list-style-type: none"> <li>Average:130mA@5VDC</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> <li>SNMP</li> <li>SYSLOG</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 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>	Item (L x B x H): 105mm x 59mm x 25mm Packaging (L x B x H): 260mm x 190mm x 65mm (10.3" x 7.5" x 2.6")
<b>Weight</b>	Item: 400g Packaging: 1.6 lbs
<b>Others</b>	
<b>Warranty</b>	1 Year
<b>Package Contents</b>	<ul style="list-style-type: none"> <li>The H685i Series 3G wireless Router</li> <li>CAT5 Ethernet Cable</li> <li>DC5V3A Power Adapter</li> <li>Antenna</li> <li>CD-ROM with Product Documentation</li> </ul>

## >>| Products models

H685di	HSUPA Router	1 LAN
H695ui	HSUPA Router	1 LAN