

EL-H700 Industrial HSPA Router Datasheet



>>| Product Introduction

The EL-H700 series 3G Cellular Router designed for establish a Wi-Fi wireless network and share a cellular broad band Internet connection. The EL-H700 series 3G 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 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-H700 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-H700 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-H700 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-H700 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

>>| Features

■ ADVANCED NETWORK SECURITY

The EL-H700 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-H700 series 3G Cellular Router sets up in minutes, making it easy to use while on-the-go. Remaining backward compatible with 802.11b/g/n devices, this router ensures that it will work with legacy wireless equipment you already own. This eliminates incurring additional expenses associated with upgrading your current wireless equipment. 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-H700 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	
Compatible Mobile Networks	<ul style="list-style-type: none"> • HSUPA HSDPA • UMTS • EDGE • GPRS
Cellular Frequency	<ul style="list-style-type: none"> • UMTS/HSPA/HSUPA (WCDMA/FDD) 850/1900/2100 MHz • Quad-band EGSM 850/900/1800/1900
Bandwidth	<ul style="list-style-type: none"> • H700u: HSUPA Version (for H700 Model) Downlink 7.2 Mbps Uplink 2 Mbps or 5.7Mbps optional • H700d: HSDPA Version (for H700 Model) Downlink 7.2 Mbps Uplink 384k bps • WCDMA/UMTS Downlink/Uplink 384 kbps • EDGE Downlink 236,8 kbps Uplink 118 kbps • GPRS Downlink 85.6 kbps Uplink 42.8 kbps
Wi-Fi	<ul style="list-style-type: none"> • 802.11b/g/n; Frequency from 2.4GHz to 2.483GHz, Access Points, Routers and Gateway Server Applications, wireless up to 32 PC users
Protocol	
Protocol support	TCP, UDP, SMTP, POP, ICMP, FTP, PPP, PPPoE, DHCP, DDNS, DNS, WPS, DMZ, Syslog, NAT, xDSL, NTP, QoS, support firmware update
VPN	VPN, PPTP, L2TP IPsec
Security	
Security	support 64/128 bits WEP, 802.1x, WPA, and WPA2

	support WDS support WPA1/2 – PSK support WPA1/2 – 802.1x support EAP – TLS, TTLS, LEAP, PEAP support access with user name & password. support access control base WAN/LAN interface support access control base source IP address defense DOS attack, support SYN flooding, IP surfing, ping of Death, fragile, teardrop, land etc. support PAP & CHAP support IP filtering
Advanced Firewall Features	Network Address Translation (NAT) Stateful Packet Inspection (SPI) VPN Pass-through
Media Access Control	CSMA/CA with ACK
Certifications	RADIUS Client
Interface	
LAN	4X 10/100M LAN port (RJ45 interface) 1X 10/100M WAN port (RJ45 interface)
Antenna	1X antenna for Wi-Fi (SMA interface) 1X antenna for 3G (50Ω SMA female interface)
Led	<ul style="list-style-type: none"> • Power • SYS • WAN • LAN (10/100M) 1, 2, 3, 4 • WLAN • 3G
Button	WPS, Reset
Console	1 console port (also can be used as M2M port)
UIM/SIM	1.8V/3V
Power	
Power supply	DC5V-15V , typical DC12V1A, 12v CAR USE
Power consumption	<ul style="list-style-type: none"> • Idle: 30mA@12VDC

	<ul style="list-style-type: none"> • Max: 400mA@12VDC • Average:200mA@12VDC
Software	
Device Management	<ul style="list-style-type: none"> • WEB interface (Internet Explorer v6 or Later; Mozilla Firefox v1.5 or Later, or other Java-enabled Browsers)
Minimum System Requirements	Mobile Internet Access Subscription and Internet PC Adapter Computer with: <ul style="list-style-type: none"> • Windows Vista , Windows XP SP2, Windows 2000 SP4, or Mac OS® X (v10.4/v10.3), Linux • Internet Explorer 6 or Mozilla Firefox • CD-ROM Drive • Network Interface Card
Physical	
Operating Temperature	<ul style="list-style-type: none"> • Storage: 72°F to 153°F (-40°C to 90°C) • Working: 36°F to 126°F (-30°C to 80°C)
Humidity	95% Maximum (Non-condensing)
Dimensions	150mm x 98mm x 26mm
Weight	800g (contain the antenna)
Others	
Warranty	1 Year
Package Contents	<ul style="list-style-type: none"> • The H700 Series 3G wireless Router • CAT5 Ethernet Cable • DC12V1A Power Adapter • Antenna • CD-ROM with Product Documentation