

# Advanced 3G/4G Vehicle Wi-Fi Router

HW-WR1642



## KEY FEATURE

- Powerful and efficient backend/cloud platform
- Passenger behavior analysis
- Traffic control and device control
- 50+ people Wi-Fi connection
- Stable 3G/4G uplink
- Support SSD for local content accessing
- Ruggedized design for vehicle application

## SPECIFICATION

Model Number		HW-WR1642
Parameter		Specification
Hardware	Processor	CPU 930MHz, WI-FI 530MHz
	RAM	512MB, 128MB
	Storage	Support 2.5inch SSD for local storage (support max. 1TB)
	Ethernet Port	1x10/100/1000Mbps LAN 1x10/100/1000Mbps WAN
	Power	12V~36V DC, 24V
	LED	Power; System; 2.4G; 5G; Upgrade; GPS; SSD; Error
	Power Consumption	Max. 12W
	Dimensions	178*164*50 ( mm)
Wireless	Frequency	2.4GHz: 2.400GHz~2.485GHz

		5GHz: 5.725GHz~5.850GHz
	Wi-Fi Power	2.4GHz: IEEE 802.11b: 18dBm IEEE 802.11g: 16dBm IEEE 802.11n HT20: 16dBm IEEE 802.11n HT40: 16dBm 5GHz: IEEE 802.11a: 16dBm IEEE 802.11n HT20: 16dBm IEEE 802.11n HT40: 16dBm
	Wi-Fi sensitivity	2.4GHz: IEEE 802.11b@11Mbps: -76dBm IEEE 802.11g@54Mbps: -65dBm IEEE 802.11n HT20@MCS7: -62dBm IEEE 802.11n HT40@MCS7: -61dBm 5GHz: IEEE 802.11a@54Mbps: -65dBm IEEE 802.11n HT20@MCS7: -62dBm IEEE 802.11n HT40@MCS7: -61dBm
	Wireless	WCDMA, EVDO, 4G-LTE
	AP	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n (Theoretical speed 300Mbps)
	Working Mode	AP mode
Management	Remote management	Yes
	Wi-Fi Access Ability	60 connections; 40 connections for local video.
	Traffic control	Yes
	Website block	Yes
Environment	Working Temperature	-20°C to 75°C
	Storage Temperature	-40°C to 85°C
	Working Humidity	0% to 90%RH no condensation
	Storage Humidity	5% to 90%RH no condensation

## APPLICATION



- **Free Access to Internet:**

Pad, smart phone, notebook, MDVR, multi-media screen, etc.

- **Local storage:**

Support SSD for large capacity of local storage; provide high-speed access for local video, music, games, tourism guidance, news, etc.

- **Efficient Advertisement:**

Local web service provides advertisements. Operators can cooperate with local shoppers, companies, to provide ads to efficient target, improving company images.

- **Passenger behavior analysis**

With technology of Big-data, Howen router system can analyze the traffic usage, online-offline time, web access, advertisement effect, and offer scientific analysis result to innovate more value-added service and build Win-Win business

- **Content update**

Support SSD or SD for large storage, and 3G/4G and Wi-Fi for wireless content updating. When use Wi-Fi, will greatly save 3G/4G traffic.

- **Web Service**

Editable Web service to provide rich customization for operators

- **GPS location**

Provide location service using GPS, GIS, and 3G/4G, to achieve LBS (Location-based service)

- **Traffic control and Web Access control**

To save 3G/4G cost, Howen advanced vehicle router can freely manage the traffic limitation, i.e. block some website that consume too much traffic. And the web access time for users is configurable.

- **Remote Device Management**

Howen provide backend platform to remotely manage all the routers. Tens of thousands of devices can be easily configured and upgraded in one system

## Integration with Howen VSS system

