



 Amaze TV



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About HwaCom



Company

HwaCom Systems Inc. is a Taiwan company, which offers high quality, feature-rich IPTV/OTT/Hybrid STB solutions. HwaCom is known for diligent, agile, and skilled team, determinate to offer the best customer service and bringing extraordinary experience to amaze the market.

With more than 10 years of rich business expertise in digital broadband network construction and the ICT field, HwaCom is able to provide highest quality IPTV solution and assist our clients in a comprehensive viewpoint.

Designing and delivering a solution beyond customer expectations is our specialty, our goal is helping our clients monetizing their idea and innovation. We are focused on providing Telecoms, ISPs, and MSOs with efficient and quality services, ensuring that customer's strategic investment gets maximum returns and sounded market feedback.

Summary

Established : March. 1994

Paid Capital : USD 35,280,980

Chairman and President : Mr. Gary Chen

Listed Market : Public listed Company in Taiwan OTC
(over the counter) market since 2002

Office

Headquarter : Taipei, Taiwan

Subsidiary : HwaQung Shanghai SI Corp. (China)



Next-Generation Set-Top Box Solutions at a Glance

Expand video services to a whole new level with IP-based capabilities.

HwaCom's expertise in both networking and customer premise equipments technologies endow differentiable services to fulfilled various customers demand.

Our next generation set-top box optimized for rich media environments and provides a solid foundation for innovative new multimedia experiences, and our technical team is ready to work with your experts to ensure your vision and planning to be delivered on time.

HwaCom STB solutions covers full line-up of products, including OTT, IPTV, Cable, and Hybrid STBs.



All of Our Next-Generation Set-Top Box Solutions Deliver Advantages for You and Your Customers.

HC-M series Home video gateway	HC-A/S/T series RF / IP Hybrid solution	HC-X series IPTV solution	HC-J series OTT solution
· Multi-Tuner solution for N-Screen · Capability for 1080P Encoding / Transcoding · HEVC support · HDMI 2.0 · 4K High Quality Broadcasting solution · 2.4G / 5G Dual Band WiFi AP · Available for 802.11ac · DLNA · Available for PVR	· DVB-C / DVB-S / DVB-T2 / ISDB-T · Built-in WiFi Access · HLS streaming support · Available for 4K High Quality Broadcasting solution · Available for HEVC support solution · Available for 2.4G / 5G Dual Band WiFi · Available for RTSP · DLNA	· IPTV : Multicasting support (IGMP) · VOD (RTSP) · Available for IPTV / OTT Hybrid solution · Available for 4K High Quality Broadcasting solution · Available for HEVC support solution · Available for 2.4G / 5G Dual Band WiFi solution · Available for 802.11 ac · Available for external DVB-T / T2	· OTT : Http streaming support · Local media playback · Available for 4K · Available for HEVC support solution · IPTV available · Available for external DVB-T / T2 · Available for 2.4G / 5G Dual Band WiFi solution · Available for 802.11 ac · Available for App Market · Available for HDMI IN

HC-M8000



Specifications

DMIPS	20000
GPU	-
RAM	1GB
FLASH	4GB
OS	Linux
Video CODEC	4K HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Quad 1080p30 Transcoding

Interface

Video Output	HDMI 2.0/CVBS/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	1G-Enet
WiFi	802.11 ac
USB	USB3.0 *2
TUNER	DVB-T/T2
Power	12V@2A
Size	260 *160 * 40 mm

Key Features

- + Next generation Home Media gateway
- + High performance
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HEVC 4K2Kp60 Support
- + PIP
- + Social TV
- + HTML5 Browser Support

HC-S6020



Specifications

DMIPS	10000
GPU	-
RAM	1GB
FLASH	4GB
OS	Linux
Video CODEC	4K HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Dual 720p30 or Single 1080p60

Interface

Video Output	HDMI 2.0/CVBS/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	1G-Ethernet
WiFi	802.11 b/g/n
USB	USB3.0 *2
TUNER	DVB-S/S2/T/T2
Power	12V@2A
Size	260 *160 *40 mm

Key Features

- + DVB-S/S2
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HEVC 4K2Kp60 Support
- + PIP
- + Social TV
- + HTML5 Browser Support

HC-S6010



Specifications

DMIPS	10000
GPU	-
RAM	1GB
FLASH	4GB
OS	Dual
Video CODEC	4K HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Dual 720p30 or Single 1080p60

Interface

Video Output	HDMI 2.0/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	1G-Enet
WiFi	802.11 b/g/n
USB	USB3.0 *2
TUNER	DVB-S/S2/T/T2
Power	12V@2A
Size	165 *140 *35 mm

Key Features

- + DVB-S/S2
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HEVC 4K2Kp60 Support
- + PIP
- + Social TV
- + HTML5 Browser Support

HC-S6000



Specifications

DMIPS	5000
GPU	-
RAM	1GB
FLASH	4GB
OS	Dual
Video CODEC	HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI
Video Input	-
Audio Output	HDMI/Optical
LAN	10/100-Enet
WiFi	802.11 b/g/n
USB	USB2.0 *2
TUNER	DVB-S/S2/T/T2
Power	12V@2A
Size	100 *100 *40 mm

Key Features

- + DVB-S/S2
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HEVC
- + PIP
- + Social TV
- + HTML5 Browser Support

HC-A5830



Specifications

DMIPS	2000
GPU	-
RAM	512MB
FLASH	128MB
OS	Linux
Video CODEC	H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	10/100-Enet
WiFi	802.11 b/g/n
USB	USB2.0 *2
TUNER	DVB-C
Power	12V@2A
Size	210 *170 *40 mm

Key Features

- + DVB-C set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR
- + Multi-Screen Service
- + DLNA
- + PIP
- + Fast channel Zapping

HC-A5810



DVB-C



PVR



Specifications

DMIPS	1000
GPU	-
RAM	256MB
FLASH	64MB
OS	Linux
Video CODEC	H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	10/100-Enet
WiFi	-
USB	USB2.0 *1
TUNER	DVB-C
Power	12V@2A
Size	210 *170 *40 mm

Key Features

- + DVB-C set-top box
- + PVR
- + DVB-C Tuner
- + Optional NAND Flash progressive Storage
- + Ethernet Port
- + HDMI with HDCP

HC-T5310



Specifications

DMIPS	2000
GPU	-
RAM	1GB
FLASH	256MB
OS	Linux
Video CODEC	H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI/CVBS/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	10/100-Enet
WiFi	-
USB	-
TUNER	DVB-T/T2
Power	12V@2A
Size	210 *170 *40 mm

Key Features

- + DVB-T set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR
- + Multi-Screen Service
- + DLNA
- + PIP

HC-X8000



Specifications

DMIPS	20000
GPU	-
RAM	1GB
FLASH	4GB
OS	Linux
Video CODEC	4K HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Quad 1080p30

Interface

Video Output	HDMI 2.0/CVBS/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	1G-Enet
WiFi	802.11 b/g/n
USB	USB3.0 *2
TUNER	-
Power	12V@2A
Size	260 *160 *40 mm

Key Features

- + Next generation IPTV/OTT set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HEVC 4K2Kp60 Support
- + PIP
- + Social TV
- + HTML5 Browser Support

HC-X6020



Specifications

DMIPS	10000
GPU	-
RAM	1GB
FLASH	4GB
OS	Linux
Video CODEC	4K HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Dual 720p30 or Single 1080p60

Interface

Video Output	HDMI 2.0/CVBS/Component
Video Input	HDMI Input
Audio Output	HDMI/RCA/Optical
LAN	1G-Enet
WiFi	802.11 ac
USB	USB3.0 *2
TUNER	-
Power	12V@2A
Size	260 *160 *40 mm

Key Features

- + Next generation IPTV/OTT set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HDMI input
- + HEVC 4K2Kp60 Support
- + PIP
- + Social TV
- + HTML5 Browser Support

HC-X6010



Specifications

DMIPS	10000
GPU	-
RAM	1GB
FLASH	4GB
OS	Dual
Video CODEC	4K HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Dual 720p30 or Single 1080p60

Interface

Video Output	HDMI 2.0/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	1G-Enet
WiFi	802.11 ac
USB	USB3.0 *2
TUNER	-
Power	12V@2A
Size	165 *140 *35 mm

Key Features

- + Next generation IPTV/OTT set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HEVC 4K2Kp60 Support
- + PIP
- + Social TV
- + HTML5 Browser Support

HC-X6000



Specifications

DMIPS	5000
GPU	-
RAM	1GB
FLASH	4GB
OS	Dual
Video CODEC	HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI
Video Input	-
Audio Output	HDMI/Optical
LAN	10/100-Enet
WiFi	802.11 b/g/n
USB	USB2.0 *1
TUNER	-
Power	12V@2A
Size	100 *100 *40 mm

Key Features

- + Next generation IPTV/OTT set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HEVC
- + PIP
- + Social TV
- + HTML5 Browser Support
- + Dual OS
- + Miracast

HC-X5100



Specifications

DMIPS	1000
GPU	-
RAM	512MB
FLASH	128MB
OS	Linux
Video CODEC	H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI/Componen
Video Input	-
Audio Output	HDMI/RCA
LAN	10/100-Enet
WiFi	-
USB	USB2.0 *1
TUNER	-
Power	12V@1A
Size	150 *120 *30 mm

Key Features

- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + HTML5 Browser Support

HC-X5310



Specifications

DMIPS	2000
GPU	
RAM	1GB
FLASH	256MB
OS	Linux
Video CODEC	H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI/CVBS/Component
Video Input	-
Audio Output	HDMI/RCA/Optical
LAN	10/100-Enet
WiFi	-
USB	USB2.0 *1
TUNER	-
Power	12V@2A
Size	210 *170 *40 mm

Key Features

- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + PIP
- + HTML5 Browser Support
- + Smart Remote

HC-X5420



Specifications

DMIPS	3000
GPU	-
RAM	1GB
FLASH	4GB
OS	Dual
Video CODEC	H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	-

Interface

Video Output	HDMI/CVBS/Component
Video Input	HDMI IN
Audio Output	HDMI/RCA/Optical
LAN	10/100-Enet
WiFi	802.11 b/g/n
USB	USB2.0 *1
TUNER	-
Power	12V@2A
Size	210 *170 *40 mm

Key Features

- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Home Banking
- + Gaming
- + PVR/NPVR
- + Multi-Screen Service
- + DLNA
- + HDMI input
- + PIP
- + HTML5 Browser Support
- + IPTV

HC-J3620



Specifications

DMIPS	20000
GPU	8 Core Mali-450
RAM	1GB
FLASH	4GB
OS	Android
Video CODEC	HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Single 1080p

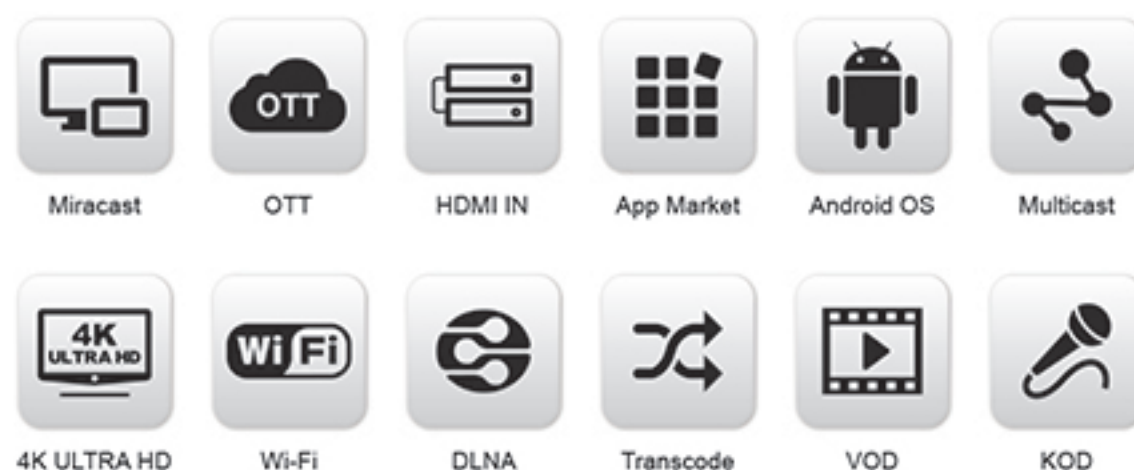
Interface

Video Output	HDMI
Video Input	-
Audio Output	HDMI/Optical
LAN	10/100-Enet
WiFi	802.11 b/g/n
USB	USB2.0 *2
TUNER	-
Power	5V@1.5A
Size	100 *100 *25 mm

Key Features

- + Next generation IPTV/OTT set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Gaming
- + PVR/NPVR
- + DLNA
- + HEVC
- + 4K2Kp60 Support
- + Social TV
- + HTML5 Browser Support
- + App Market
- + Miracast

HC-J3610



Specifications

DMIPS	20000
GPU	8 Core Mali-450
RAM	2GB
FLASH	4GB
OS	Android
Video CODEC	4K H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Single 1080p

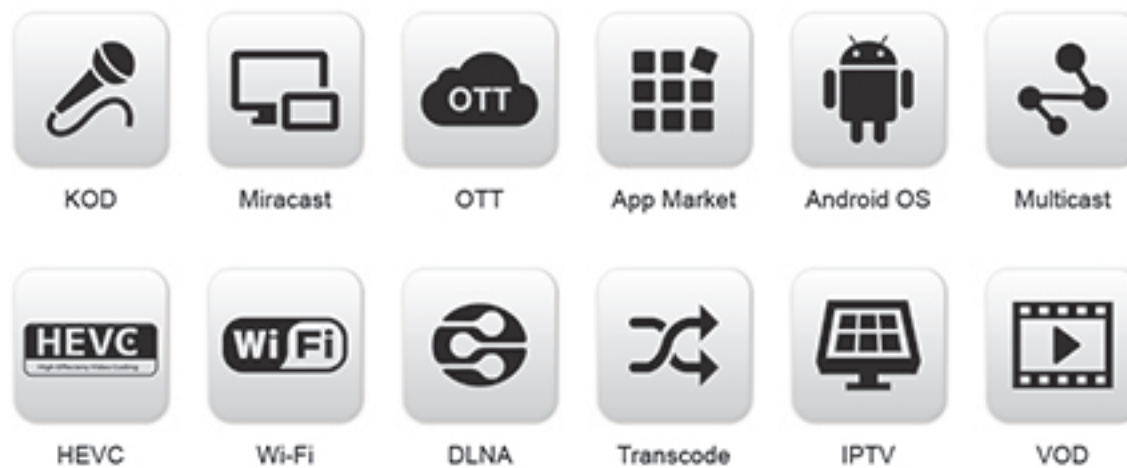
Interface

Video Output	HDMI
Video Input	HDMI Input
Audio Output	HDMI/Optical
LAN	10/100-Enet
WiFi	802.11 b/g/n
USB	USB2.0 *2
TUNER	-
Power	5V@1.5A
Size	168 *132 *21 mm

Key Features

- + Next generation IPTV/OTT set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Gaming
- + PVR/NPVR
- + DLNA
- + 4K H.264
- + Social TV
- + HDMI In
- + HTML5 Browser Support
- + App Market
- + Miracast

HC-J3600



Specifications

DMIPS	9600
GPU	Quad Mali-450
RAM	1GB
FLASH	4GB
OS	Android
Video CODEC	HEVC/H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Single 1080p

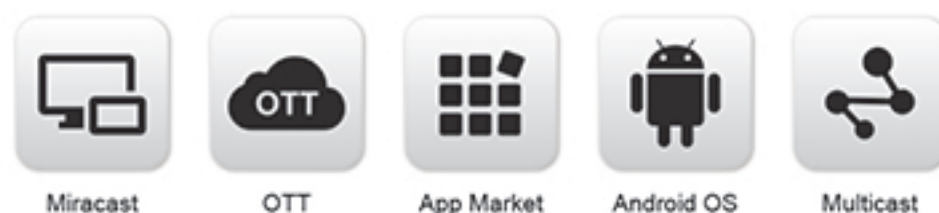
Interface

Video Output	HDMI
Video Input	-
Audio Output	HDMI/Optical
LAN	10/100-Enet
WiFi	802.11 b/g/n
USB	USB2.0 *2
TUNER	-
Power	5V@1.5A
Size	100 *100 *25 mm

Key Features

- + Next generation IPTV/OTT set-top box
- + VOD
- + Time-Shift TV
- + Restart TV
- + Karaoke on Demand
- + Gaming
- + PVR/NPVR
- + DLNA
- + HEVC
- + Social TV
- + HTML5 Browser Support
- + App Market
- + Miracast

HC-J3500



Specifications

DMIPS	7500
GPU	Dual Mali-400
RAM	1GB
FLASH	4GB
OS	Android
Video CODEC	H.264/Mpeg2
Audio CODEC	AAC/MP2/3
Transcoding	Single 720p

Interface

Video Output	HDMI
Video Input	-
Audio Output	HDMI/Optical
LAN	10/100-Ethernet
WiFi	802.11 b/g/n
USB	USB2.0 *3
TUNER	-
Power	5V@1.5A
Size	100 *100 *25 mm

Key Features

- + IPTV/OTT set-top box
- + VOD
- + Gaming
- + DLNA
- + Social TV
- + HTML5 Browser Support
- + App Market
- + Miracast

SH1-101

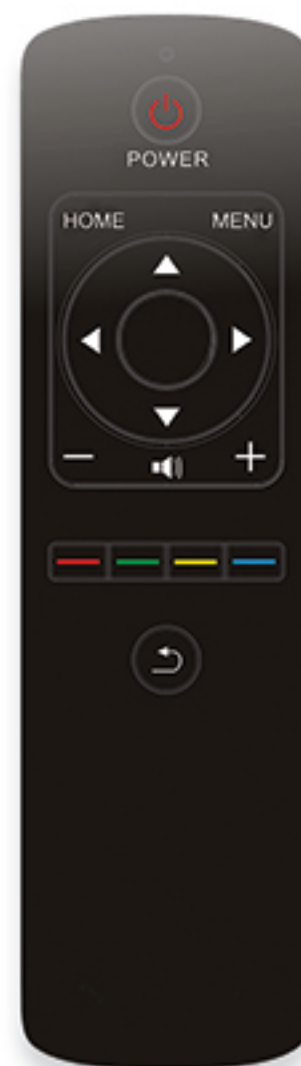
Applications

- + Set-Top-Box for Digital TV and IPTV
- + Smart TV system
- + Game Device
- + Microphone & Speaker Support



Protocol	RF connectivity variation - Bluetooth 3.0 + EDR compatible. (S1-101B) - RF4CE compatible. (S1-101R)
Features	Device class interface - Bottom side 55 keys - Top side 34 keys - Voice over HID - Database for TV control. (optional)
Frequency Band	38kHz
Resh	10 meters or more
Power Source	1.5V (AAA size) *2

S1-201



Protocol	IR (NEC)
Features	Total 15 Keys
Frequency Band	38kHz
Resh	8 meters or more (reference value)
Power Source	3V

S1-301



Protocol	IR
Features	IR mouse over HID Total 41 Keys Key Learning
Frequency Band	38kHz
Resh	10 meters or more (reference value)
Power Source	1.5V (AA size) *2



Road Map



Finished



Linux OS



Android OS



Dual OS



HEVC



4K ULTRA HD



Miracast



TR-069



Wi-Fi 11ac



Ericsson
Middleware



Hotel IPTV



Digital Signage



OTT



VOD



KOD



DTV streaming



Fast CH change



Restart



HDMI IN



DVB-T2



Game



HDMI 2.0



Smart device
remote



App Market



DLNA



PlayReady
DRM



Verimatrix
DRM



Transcode



PVR



HTML5



Video search
filter



DVB-C



UDP/RTMP/
RTSP/HLS
streaming



Coming Soon



WYPLAY



DVB-S2



CAS



CI/CA



CI/CI+



ISDB-T



Micro Console



Video Upscale



Android TV



Chrome OS



Visual Search



Voice Search



Amaze your imagination



Address : 12Fl., No. 98, Hsin-Tai-Wu Rd., Sec.1, Hsi-Chih, Taipei County, Taiwan, R.O.C

Tel : +886-2-2696-7155

Http : [//www.hwacom.com](http://www.hwacom.com)