

Product Overview

The Huawei MediaPad (MediaPad for short) is a new model of touchscreen information terminal from Huawei Technologies Co., Ltd. The MediaPad supports 3G data services and provides rich applications and experiences using Android Honeycomb, an operating system dedicated to tablet computers. It also delivers you convenient and high-quality network and multimedia services, making life better in work or at play.

With a full touchscreen and an ultra-thin design, the technically advanced MediaPad has an original, elegant, and stylish appearance.

The following figure shows the appearance of the MediaPad.



 The preceding figure is provided for your reference only. The appearance may vary according to the actual model chosen.

The MediaPad has several models. The following table lists the differences between these models.

Model	Specification	Standard and Frequency Band
S7-301u	UMTS 900	UMTS 900 MHz/2100 MHz
S7-302u	UMTS 850	UMTS 850 MHz/1900 MHz/2100 MHz
S7-303u	UMTS AWS	UMTS 1900 MHz/2100 MHz/AWS
S7-301w	Wi-Fi only	IEEE 802.11b/g/n (2.4 GHz)

Feature Overview

- 7-inch WXGA (1280 x 800) IPS HD multi-touch screen
- Different specifications for mobile network interfaces:
 - Specification 1: GSM/GPRS/EDGE/UMTS/HSPA (applicable to the S7-301u, S7-302u, and S7-303u models)
 - Specification 2: Wi-Fi only (applicable to the S7-301w model)
- Multi-tabbed browser
- HD multimedia playback
- Android Honeycomb operating system
- 1.2 GHz dual-core CPU
- 5-megapixel autofocus camera
- Full HD playback
- GPS/A-GPS
- 4100 mAh battery
- Wi-Fi 802.11b/g/n

Hardware Specifications

Dimensions (H x W x D)

- 190 mm x 124 mm x 10.5 mm

Weight

- About 390 g (including the battery)

Touchscreen

- 7-inch capacitive touchscreen

Display

- Type: glare IPS LCD
- Size: 7 inches
- Resolution: WXGA (1280 x 800 pixels), 217 PPI
- Viewing angles: 89°(up)/89°(down)/89°(left)/89°(right)
- Colors: 262k
- Contrast: 800:1
- Highest illuminance: 400 cd/m²

SIM card interface

- Standard 6-pin SIM card interface

GSM/GPRS/EDGE

- Frequency bands: four GSM bands (850 MHz, 900 MHz, 1800 MHz, and 1900 MHz)

UMTS

- Standard: 3GPP FDD release 6
- Customizable frequency bands
 - S7-301u: UMTS 900/2100 MHz
 - S7-302u: UMTS 850/1900/2100 MHz
 - S7-303u: UMTS 1900 MHz/UTMS 2100 MHz/AWS
- Working frequency bands
 - 850 MHz (CLR): 824–849 MHz/869–894 MHz (uplink/downlink)
 - 900 MHz (GSM): 880–915 MHz/925–960 MHz (uplink/downlink)
 - 1900 MHz (PCS): 1850–1910 MHz/1930–1990 MHz (uplink/downlink)
 - 2100 MHz (IMT): 1920–1980 MHz/2110–2170 MHz (uplink/downlink)
 - AWS: 1710–1755 MHz/2110–2155 MHz (uplink/downlink)

HSPA/HSPA+

- Standard: 3GPP FDD release 6
- Data services
 - HSDPA: a maximum speed of 14.4 Mbit/s, category 10
 - HSUPA: a maximum speed of 5.76 Mbit/s, category 6
 - HSPA+: a maximum download speed of 14.4 Mbit/s, a maximum upload speed of 5.76 Mbit/s, category 13 (release 7)
- Rx diversity

Wi-Fi

- Standards: IEEE 802.11b/g/n, WEP, WPA, and WPA2
 - Working frequency band: 2.4 GHz
 - Conducted power
 - IEEE 802.11b: ≤ 18 dBm (*)
 - IEEE 802.11g: ≤ 16 dBm (*)
 - IEEE 802.11n: ≤ 14 dBm@MCS7 (*)
- * The maximum transmit power varies according to country codes.
- Conducted sensitivity
 - IEEE 802.11b: -82 dBm at 11 Mbit/s, -84 dBm at 6 Mbit/s, -86 dBm at 1 Mbit/s
 - IEEE 802.11g: -80 dBm at 54 Mbit/s
 - IEEE 802.11n: -84 dBm at MCS-0, -65 dBm at MCS-7 (65 Mbit/s)

Bluetooth

- Standard: Bluetooth 2.1 + EDR
- Transmit power: 6 dBm, power class 1.5
- Profiles: A2DP, AVRCP, GAVDP, PBAP, FTP, and HID

Keys

- Power key
- Volume keys

Interface, sensor, and audio configurations

- 3.5 mm TRRS stereo headset interface
- microSD card slot: compatible with an SDHC card of a maximum capacity of 32 GB
- USB port: Micro USB 2.0 OTG
- HDMI: HDMI 1.3b and type D
- SIM card slot (applicable to the S7-301u, S7-302u, and S7-303u models)
- Light intensity sensor
- Built-in tilt sensor
- Built-in vibrator
- Built-in speaker and microphone

GPS

- Qualcomm GPS solution

Sound Enhancement

- SRS TruMedia™: adopts WOWHD, CSHP, and MaxV technologies.

Processor

Qualcomm MSM8x60 ARM CortexA9 1.2 GHz dual-core processor

Memory

- RAM: 1GB
- Flash: 8GB

Power adapter

- Input: 100–240 V AC and 50/60 Hz
- Output: 5 V DC and 2.0 A

Battery

- Material: Li-ion
- Capacity: 3.7 V and 4100mAh(15.2Wh/typ)
- Standby time: > 200 hours
- Video playback time: > 6 hours
- Charging by using the power adapter
- Charging by using the micro USB port
- Wi-Fi connection time/Web browsing time: > 6 hours
- Charging time (when the power adapter is used): < 4 hours
- Charging time (when the micro USB port is used): < 10 hours

Mandatory accessories

- 5 V/2 A travel charger
- USB cable

Optional accessories

- Headset
- Leather case
- Car charger

Power consumption

- < 6 W

Ambient temperatures

- Ambient operating temperature: 0°C to +35°C (32°F to 95°F)
- Ambient storage temperature: –20°C to +45°C (–4°F to 113°F)

Humidity

- 5% to 95% (non-condensing)

Cameras

- Front camera: CMOS, 1.3 megapixels, 720p, with a fixed focus lens, supporting HD video recording
- Rear camera: CMOS, 5 megapixels, autofocus, functioning as an HD camera and camcorder supporting preview in 720p

Software Specifications

Operating system

- Linux 2.6.35
- Android Honeycomb

Desktop widgets

- Clock and Alarms

GUI language

- Supported languages by default: Simplified Chinese, Traditional Chinese (Taiwan), English, American Spanish, Brazilian Portuguese, European Spanish, European Portuguese, French, German, Russian, and Italian
- Other languages customizable: Traditional Chinese (Hong Kong), Swedish, Norwegian, Danish, Czech, Hungarian, Slovak, Polish, Romanian, Greek, Serbian, Bulgarian, Finnish, Latvian, Lithuanian, Slovenian, Croatian, Turkish, and Dutch

Input methods

- Android input method and Google Pinyin input method
- (Customizable) Swype
- Supported languages by default: Simplified Chinese, Traditional Chinese (Taiwan), English, American Spanish, Brazilian Portuguese, European Spanish, European Portuguese, French, German, Russian, and Italian
- Input methods for other languages customizable: Traditional Chinese (Hong Kong), Swedish, Norwegian, Danish, Czech, Hungarian, Slovak, Polish, Romanian, Greek, Serbian, Bulgarian, Finnish, Latvian, Lithuanian, Slovenian, Croatian, Turkish, and Dutch

Multimedia

- Video

Formats: MP4, 3GP, 3G2, RM, RMVB, ASF and WMV,

- Decoding

MPEG-4 ASP 1080p at 30 fps, 14 Mbit/s

H.263 P0 WVGA at 30 fps, 6 Mbit/s

H.264 HP 1080p at 30 fps, 14 Mbit/s

VC-1 1080p at 30 fps, 14 Mbit/s

- Coding

MPEG-4 ASP 1080p at 30 fps, 14 Mbit/s

H.264 HP 1080p at 30 fps, 14 Mbit/s

H.263 P0 WVGA at 30 fps, 6 Mbit/s

- Audio

Formats: MP3, WMA, WMV, WAV, RA, Ogg, MIDI, and 3GP

Codecs: AMR-NB, AMR-WB, QCP (QCELP), M4A, ACC+, and eAAC+

- Images

Formats: JPEG, GIF, BMP, WBMP, PNG, and TIFF

- Audio recording

Codec: AMR-WB

- Media player

Music library and music playback

Background playback

- Video player: video and streaming media playback

- Digital photo frame: photo management and browsing

- Camera and camcorder

Formats for video recording: video formats of MPEG-4 and H.264, and audio formats of AMR-NB, QCELP, EVRC, and AAC

Format for taking pictures: JPEG

Browser

- Multi-tabbed browser
- Android and HTML5 by default
- Synchronize bookmarks with Google Bookmarks
- Web protocols: HTML 5.0, CSS 2.1, XHTML 1.1, XML 1.0, and JavaScript
- Adobe Flash 10.3 (to be downloaded by users)
- Flash Video
- Animation GIF
- Video tag (H.264)

Email

- Protocols: SMTP, POP3, and IMAP4
- Synchronize Calendar and Contacts with the Exchange Server
- Android email client

Network access

- 3G network access: HSDPA, HSUPA, HSPA+, GPRS, EDGE
- Wi-Fi network access: DHCP client or static IP address
- Wi-Fi network sharing (applicable to the S7-301u, S7-302u, and S7-303u models): non-encrypted networks, WPA2-PSK security mode, and a maximum of four STAs
- VPN: PPTP, L2TP, IPsec PSK, and IPsec CERT

Contacts

- Fast contact search
- Import the phonebook from a SIM card (applicable to the S7-301u, S7-302u, and S7-303u models)

SIM/STK standards (applicable to the S7-301u, S7-302u, and S7-303u models)

Standard STK compliance

- 3GPP TS 11.14
- 3GPP TS 11.11
- 3GPP TS 21.14
- 3GPP TS 31.102
- 3GPP TS 31.111

File management

- Manage files stored in the tablet memory or on the microSD card
- Cut, copy, paste, and delete files and their folders

Properties Settings

- Set properties such as the language, text input method, date and time, date format, shortcut keys, wallpaper, brightness, keypad backlight, network settings, security settings, and personalized alert tones

Third-party applications

- Install and uninstall third-party applications
- Built-in Huawei Hi Space
- Built-in Google Mobile Suite (for Google-specified areas only)
- Built-in Android Market (for Google-specified areas only)
- Applications supported in overseas versions: Aldiko, Facebook, Twitter, AnyRadio, Shazam, Let's Golf, and Document to go

 The list of preset applications is customizable.

Upgrade

- Local upgrade: upgrade from the microSD card
- Online upgrade:
 - upgrade using the Huawei OTA upgrade solution
 - upgrade using the Google FOTA upgrade solution (for Google-specified areas only)

Hi Suite

- Desktop show function
- Contacts management (such as creating, modifying, deleting, searching for, importing, and exporting contact information)
- Contacts synchronization between your MediaPad and Outlook/Outlook Express
- Schedule synchronization between your MediaPad and Outlook/Outlook Express
- Application management
- Real-time screenshot and full-screen presentation

 The Hi Suite is to be downloaded by users.

Acronyms and Abbreviations

3G	3rd Generation
3G2	3GPP2 file format
3GP	3GPP file format
3GPP	3rd Generation Partnership Project
A2DP	Advanced Audio Distribution Profile
AAC	Advanced Audio Coding
AC	alternating current
ACC+	Advanced Audio Coding Plus
AMR	Adaptive Multi-Rate
AMR-NB	AMR Narrowband
AMR-WB	AMR Wideband
ARM	Advanced Reduced Instruction Set Computing Machines
ASF	Advanced Systems Format
AVI	Audio Video Interleaved
AWS	Advanced Wireless Services
AVRCP	Audio/Video Remote Control Profile
BMP	Bitmap
CDMA	Code Division Multiple Access
CERT	certificate
CLR	cell loss rate
CMOS	complementary metal-oxide-semiconductor
CSS	Cascading Style Sheets
DC	direct current
DHCP	Dynamic Host Configuration Protocol
eAAC+	High-Efficient Advanced Audio Coding Plus
EDGE	Enhanced Data rates for Global Evolution
EDR	Enhanced Data Rate
EVRC	Enhanced Variable Rate Codec
FDD	frequency-division duplexing
fps	frames per second
FTP	File Transfer Profile
GAVDP	Generic Audio/Video Distribution Profile
GIF	Graphics Interchange Format
GPRS	General Packet Radio Service
GPS	Global Positioning System
GSM	Global System for Mobile Communications
GUI	graphical user interface
HD	high-definition
HDCP	High-bandwidth Digital Content Protection
HDMI	High-Definition Multimedia Interface

HID	Human Interface Device Profile
HP	High Profile
HSDPA	High-Speed Downlink Packet Access
HSP	Headset Profile
HSPA	High Speed Packet Access
HSPA+	HSPA Plus
HSUPA	High-Speed Uplink Packet Access
HTML5	HyperText Markup Language 5
IEEE	Institute of Electrical and Electronics Engineers
IMAP4	Internet Message Access Protocol 4
IMT	International Mobile Telecommunications
IP	Internet Protocol
IPS	In-Plane Switching
IPsec	Internet Protocol Security
JPEG	Joint Photographic Experts Group
L2TP	Layer 2 Tunneling Protocol
LCD	liquid crystal display
M4A	MPEG-4 Audio
MIDI	Musical Instrument Digital Interface
MKV	Matroska Multimedia Container
MP3	MPEG-1 or MPEG-2 Audio Layer III
MP4	MPEG-4 Part 14
MPEG	Moving Picture Experts Group
MPG	Moving Picture Experts Group
OTG	On-The-Go
PBAP	Phone Book Access Profile
PCS	Physical Coding Sublayer
PNG	Portable Network Graphics
POP3	Post Office Protocol 3
PPI	pixels per inch
PPTP	Point-to-Point Tunneling Protocol
PSK	pre-shared key
QCELP	Qualcomm Code Excited Linear Prediction
RA	RealAudio
RAM	random access memory
RM	RealMedia
RMVB	RealMedia Variable Bitrate
ROM	read-only memory
SDHC	Secure Digital High-Capacity
SIM	Subscriber Identity Module
SMTP	Simple Mail Transfer Protocol
STA	station

STK	SIM Application Toolkit
TIFF	Tagged Image File Format
TRRS	tip, ring, ring, sleeve
UMTS	Universal Mobile Telecommunications System
USB	universal serial bus
VC	video codec
VPN	virtual private network
WAP	Wireless Application Protocol
WAV	Waveform Audio File Format
WBMP	Wireless Bitmap
WEP	Wired Equivalent Privacy
Wi-Fi	Wireless Fidelity
WMA	Windows Media Audio
WMV	Windows Media Video
WPA	Wi-Fi Protected Access
WPA2	WPA II
WPA2-PSK	WPA2 pre-shared key
WXGA	Wide eXtended Graphics Array
XHTML	eXtensible HyperText Markup Language
XML	Extensible Markup Language

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