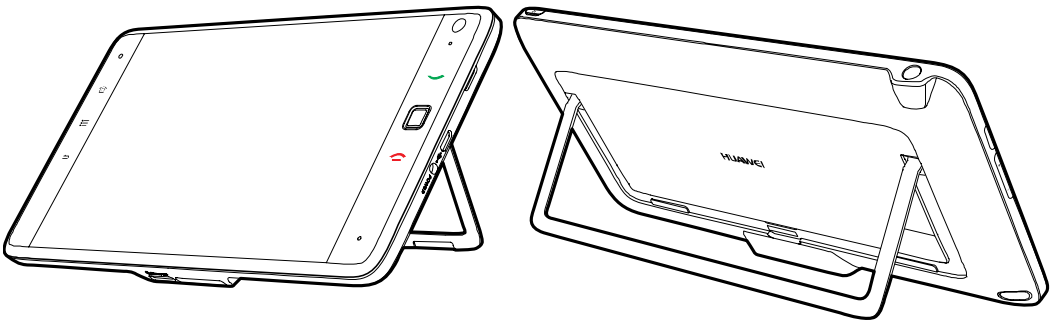
Product Overview

HUAWEI S7 Tablet (hereinafter referred to as the S7) is an information terminal developed by HUAWEI. It integrates the applications and services such as local applications, mobile broadband network services and home network services. With the Android™ open source operating system and embedded 3G module, the S7 expands various user applications besides the basic 3G communication services, and supports classification and dragging of the home screen elements. Providing convenient and quality services such as picture, audio, video, network, and information services, the S7 serves as good assistant and partner of your daily life.

The S7 has a stylish appearance and a portable design. With a full touchscreen, an ultra-thin design, and a silver metal rim, the S7 presents a stylish and technically appealing appearance.



The figures are provided only for reference. For details, see the actual product.

Features

Seven-inch TFT full touch screen
Mobile network technology: GSM/WCDMA/Wi-Fi
HUAWEI specific home screen
Web Browsing with Chrome Lite
High definition video playback
Google™ Android 2.1
Google Applications

Hardware Specifications

Dimensions (L × W × H)

About 209 mm × 108 mm × 15.5 mm

Weight

About 500 g (including the battery)

Touchscreen

Resistive touchscreen by default and customizable capacitive touchscreen, with a gravity sensor

Display

- Type: TFT
- Size: 7 inches
- Colors: 262 k
- Resolution: WVGA (800 × 480 pixels)

SIM/USIM card interface

Standard six-pin SIM card interface that also supports a 1.8 V or 3 V USIM card

WCDMA

- Standards: 3 GPP FDD Release 99 and Release 5 (International standard, 3GPP R5)
- Customizable concurrent frequency bands:

  WCDMA 2100 MHz, WCDMA 1900 MHz and one of WCDMA 900/850/800 MHz
  WCDMA 2100 MHz, WCDMA AWS and one of WCDMA 900/850/800 MHz
- Working frequency bands:

  WCDMA 850 MHz: 824–849 MHz/869–894 MHz (uplink/downlink)
  WCDMA 900 MHz: 880–915 MHz/925–960 MHz (uplink/downlink)
  WCDMA 1900 MHz: 1850–1910 MHz/1930–1990 MHz (uplink/downlink)
  WCDMA 2100 MHz: 1920–1980 MHz/2110–2170 MHz (uplink/downlink)

GSM/GPRS/EDGE

- Standard: 3GPP Release 99
- Working frequency bands:

  GSM/GPRS/EDGE 850 MHz: 824–849 MHz/869–894 MHz (uplink/downlink)
  GSM/GPRS/EDGE 900 MHz: 880–915 MHz/925–960 MHz (uplink/downlink)
  GSM/GPRS/EDGE 1800 MHz: 1710–1785 MHz/1805–1880 MHz (uplink/downlink)
  GSM/GPRS/EDGE 1900 MHz: 1850–1910 MHz/1930–1990 MHz (uplink/downlink)

HSDPA/HSUPA

- Standards:

  3 GPP FDD Release 99, Release 5 (International standard, 3GPP R5) and Release 6 (International standard, 3GPP R6)

- Data Service:

  HSDPA (Maximum 7.2 Mbit/s)
  HSUPA (Maximum 5.76 Mbit/s)
  Concurrent HSDPA (Maximum 3.6 Mbit/s) and HSUPA (Maximum 1.8 Mbit/s)

Wi-Fi

- Standards: IEEE 802.11b/g/n, WEP, WPA, and WPA2
- Working frequency band: 2.4 GHz
- Transmission power:

  IEEE 802.11b: 17 dBm (11 Mbit/s)
  IEEE 802.11g: 15 dBm (54 Mbit/s)
  IEEE 802.11n: 15 dBm (65 Mbit/s)

- Sensitivity

  IEEE 802.11b: –76 dBm (11 Mbit/s)
  IEEE 802.11g: –65 dBm (54 Mbit/s)
  IEEE 802.11n: –64 dBm (65 Mbit/s)

Bluetooth

- Standard: Bluetooth 2.1 + EDR
- Profiles: A2DP, HFP, and HSP

Keys and Indicator

- Physical Power key
- Physical Volume Up/Down key
- 5 illuminated soft keys: Home, Menu, Back, Call, and End
- Clickable OFN key
- Event Indicator: LED

Connectors, sensors, and audio

- 3.5 mm stereo headset jack
- MicroSD card slot: compliant with SDHC
- USB port: Micro USB 2.0 Slave
- Dock interface
- SIM/USIM card slot
- Battery slot
- Ambient light sensor
- Built-in microphones and speakers

GPS

Qualcomm GPS/A-GPS

Processor

Snapdragon™

Memory

- LPDDR RAM: 512 MB by default, and customizable for 256 MB
- NAND Flash: 512 MB
- EMMC: 4 GB by default, and customizable for 8 GB or 16 GB
- MicroSD card: 0 GB by default, and customizable for a capacity of up to 16GB

Power adapter

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

Battery

- Material: Li-ion
- Connector: 3 pins
- Capacity: 2200 mAh
- Standby time: longer than 100 hours
- Video playback time: longer than 3 hours

Entire-device power consumption

< 6 W

Ambient temperatures

- Operating temperature: –10°C to +45°C (14°F to 113°F)
- Storage temperature: –40°C to +70°C (-40°F to 158°F)

Relative humidity for operation

5% to 95%, non-condensing

Camera

2-megapixel CMOS camera

Antennas

- Five frequency bands: 2100 MHz, 1900 MHz, 1800 MHz, 900 MHz and 850 MHz by default
- Wi-Fi antenna: 1 × 1

Maximum wired transmission power

- UMTS 2100 MHz: 24 dBm [+1/–3 dBm]
- UMTS 900 MHz: 24 dBm [+1/–3 dBm]
- UMTS 1900 MHz: 24 dBm [+1/–3 dBm]
- GSM 850 MHz: 33 dBm [±2 dBm]
- GSM: 33 dBm [±2 dBm]
- DCS: 30 dBm [±2 dBm]
- PCS: 30 dBm [±2 dBm]

Static sensitivity

- UMTS 2100 MHz: better than –117 dBm/3.84 MHz
- UMTS 1900 MHz: better than –115 dBm/3.84 MHz
- UMTS 900 MHz: better than -114 dBm/3.84 MHz
- GSM 850 MHz: better than –102 dBm/200 kHz
- GSM 900 MHz: better than –102 dBm/200 kHz
- DCS 1800 MHz: better than –102 dBm/200 kHz
- PCS 1900 MHz: better than –102 dBm/200 kHz

Certification

CE, FCC

Software Specifications

Operating system

- Linux 2.6.29
- Android 2.1

Widgets/Toolkit

Weather/RSS news/Picture/Browser/Memo/Clock/Calendar/Event/Calculator

HUAWEI Specific Home screen

Self-defined home screen UI that supports classification and dragging of UI elements and meets personalized requirements of the user

Google Mobile Suite

- Google mail
- Google Search
- Google Talk
- Google Maps
- Google Calendar
- YouTube™
- Android Market

Language

- English by default
- German
- Customizable multiple languages

Input Methods

- Huawei IME with Zi™ engine
- English
- German
- Customizable multiple input methods

Multimedia

- Video, audio and picture formats:

  Video: MPEG4 (.mp4, .3gp, .3g2), H.264 (.3gp, .mp4, .3g2), H.263 (.3gp, .3g2), and up to 720p@30fps decoding
  Audio: AMR-NB (.3gp, .amr) , MP3 (.mp3), AAC (.3gp, .mp4, .m4a, .3g2) , AAC+, eAAC+, Ogg Vorbis (.ogg), PCM (.wav) and MIDI
  Picture: BMP, PNG, JPEG, WBMP and GIF
- Media players:

  Music library and music player
  Playing music in the background
- Video player: Playing streaming media
- Digital photo frame: Managing and browsing photos
- Taking pictures and recording video clips:

  Coding formats for recording video clips: MP4 and H.264 for video, and AMR-NB, QCELP, EVRC and AAC for audio
  Coding format for taking pictures: JPEG

Browser

- Chrome Lite (WebKit)
- Bookmarks
- Web protocols: HTML 4.0, CSS 2.1, XHTML 1.1, XML 1.0, and Java Script

Email

Protocols: SMTP, POP3, and IMAP4

Network access

- 3G access: through a PPP dial-up connection
- Wi-Fi access: through a DHCP client

Contacts

- Personalized ringtones
- Fast search for a contact
- Speed dial, group management, and photo caller ID display
- Importing the phonebook on the SIM card

SIM/STK and USIM/USAT

- Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface
- 3GPP TS 11.14
- 3GPP TS 11.11
- SIM and IC Card Requirements TS 21.111
- Characteristics of the USIM application TS 31.102
- 3rd Gen. Partnership Proj Tech. Spec. Group Terminals and SIM App. Toolkit (USAT) TS 31.111

Wireless Voice calls

- voice calls
- Voice codec format: AMR-NB

SMS and MMS

- UI design integrating SMS and MMS
- Extra-long text messages
- Read text messages on the SIM card and in the local memory of the S7
- Attachments to multimedia messages
- Making a voice call to the number in a text message

Call logs

- Recording missed calls, answered calls, and dialed calls
- Storing up to 500 records
- Accessing Call Logs by pressing the call key

Recording audio clips

- Recording the voice of the other part during a call
- Codec format for recording audio clips: AMR

File Management

- Managing the contents stored in the local memory and those on the microSD card
- Cutting, copying, pasting, and deleting files and their contents

Settings

Such as language, text input method, date and time, date format, shortcuts, wallpaper, brightness, keypad backlight, network settings, security settings, power-on settings, power-off settings, and personalized alert tones

Installing and uninstalling third-party applications

Maintenance and Upgrade

- Local: Via Micro USB interface or MicroSD card
- Remote: Automatic upgrade through HTTP

Acronyms and Abbreviations

3GPP	3rd Generation Partnership Project
A2DP	Advanced Audio Distribution Profile
AAC	Advanced Audio Coding
AC	alternating current
AMR	Adaptive Multi-Rate
AMR-NB	narrowband AMR
AMR-WB	wideband AMR
AP	access point
AWS	Advanced Wireless Service
BMP	bitmap
CMOS	complementary metal-oxide-semiconductor
CSS	Cascading Style Sheets
DC	direct current
DCS	Digital Cellular System
DHCP	Dynamic Host Configuration Protocol
DLNA	Digital Living Network Alliance
DMC	digital media controller
DMR	digital media renderer
DMS	digital media server
eAAC	High-Efficiency Advanced Audio Coding
EDGE	Enhanced Data rates for GSM Evolution
EDR	Enhanced Data Rate
eMMC	embedded MultiMediaCard

EVDO	Evolution Data Only
FDD	frequency division duplex
GIF	Graphics Interchange Format
GPRS	General Packet Radio Service
GSM	Global System for Mobile Communications
HD	high-definition
HDMI	High-Definition Multimedia Interface
HFP	Hands-Free Profile
HSDPA	High-Speed Downlink Packet Access
HSUPA	High-Speed Uplink Packet Access
HSP	Headset Profile
HTML	Hypertext Markup Language
IDE	integrated development environment
IEEE	Institute of Electrical and Electronics Engineers
IMAP	Internet Message Access Protocol
JPEG	Joint Photographic Experts Group
LED	light-emitting diode
MMS	Multimedia Messaging Service
MP3	MPEG-1 Audio Layer 3
MPEG	Moving Pictures Experts Group
OFN	Optical Finger Navigation
PCM	pulse-code modulation
PCS	Physical Coding Sublayer
PNG	Portable Network Graphics
POP	Post Office Protocol
PPP	Point-to-Point Protocol
RSS	Really Simple Syndication
SDHC	Secure Digital High Capacity
SIM	Subscriber Identity Module
SMS	Short Message Service
SMTP	Simple Mail Transfer Protocol
STB	set-top box
TFT	thin-film transistor
UI	user interface
UMTS	Universal Mobile Telecommunications System
USB	universal serial bus
USB OTG	USB On-The-Go
USIM	User Service Identity Module
VC	voice codec
WCDMA	Wideband Code Division Multiple Access
Wi-Fi	Wireless Fidelity
WPA	Wi-Fi Protected Access

WPS	Wi-Fi Protected Setup
WVGA	Wide Video Graphics Array
XHTML	Extensible HyperText Markup Language
XML	Extensible Markup Language

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Product Version:	V100R001C01
Issue:	01 (2010-06-20)
Part Number:	906002