HUAWEI MC850/MC851 Media Phone

MC850   MC851

Empowered by the state-of-the-art technologies and its sleek design, HUAWEI MC850/MC851 media phone is able to meet the growing demand of convenient, simple and easy access to Internet applications at home, adding to its basic cordless or corded telephone function. The 7- inch TFT touch screen allows user to navigate through the menu to access website, entertainment contents and daily information such as weather forecast, the world and local news and the favorite recipes.

Innovative and Sleek Design
Following the modern design concept, MC850/MC851 creates a mix of style, elegance and quality. The 7 inch touch screen, the DECT handset, the stereo sound box, the camera and a bunch of interfaces are all well fitted into a sleek chassis.

Variable Widget Applications
Weather forecast, local time show, digital photos frame, RSS…all of these daily information is displayed instantly by one-click on the tabletop widgets, which are available freely on the internet.

Exceptional Entertainment Experiences
With built-in H.264 CODEC, MC850/MC851 is able to provide broadcasting video and VOD services dispatched from the operators. By connecting to the USB jack, video, music and photo can be played on the screen and via the hi-fi sound box.

Convenient Photo Display
The high resolution touch screen can be used to display photos stored inside or in the USB memory stick/SD/MMC card, in thumbnail and slide show mode with configurable effects and screen saver mode.

High-Quality and Secure Video Call
The built-in camera, corded or cordless handset and well-managed address book allow the users to initiate a video call in a simple way.

Privacy protection mechanism is adopted to ensure that video and voice can be switched off immediately when needed.

Easy-to-use Telephone
Why reinvent the wheel? MC850/MC851 adopts the traditional telephone design when it comes to phone call functions. The touch screen and virtual keyboard are adding convenience to improve the user experience.

Strong Network Adaptability
MC850/MC851 supports fixed, DHCP and PPPoE, adapting to different networking environments. QoS mechanism and auto down-speeding ensure reliable audiovisual experience when packet loss occurs in the IP network.
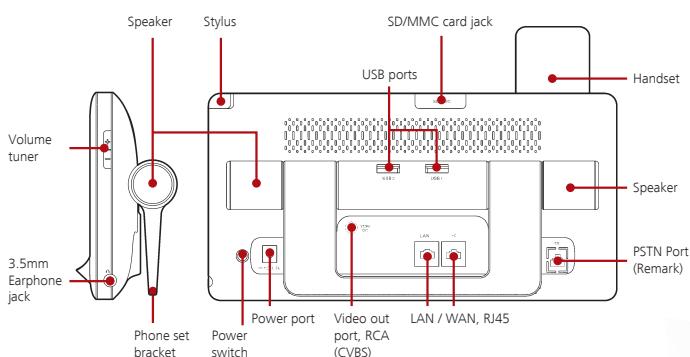
Complete Security Mechanism
To ensure security, passwords are used for device authentication, system configuration and SIP protocol interaction.

Centralized Automatic and Safe Upgrading
It is inevitable that new services and firmware will be published from time to time. Taking it in mind, a centralized automatic and safe upgrading architecture is established to ensure that MC850/MC851 media phone can be upgraded in an efficient and safe manner, greatly saving operation and maintenance cost.

HUAWEI MC850/MC851

MC850/MC851 Specifications

User Interface Features

Touch screen, handwriting input, stylus

7 inch TFT LCD

16:9 wide screen, resolution 800x480, 24-bit colors

Desktop changeable (background, shortcuts, widgets)

Screen saver and digital photo frame mode

Built-in internet Web Browser

App widget management and run

On-screen virtual keyboard, handwriting input

Multilingual user interface: English, Chinese

Calling Features

SIP video and audio call

Call waiting, call hold, call transfer

3-way calling (Local audio mix)

Caller ID display

DTMF tone generation (RFC 2833 and in-band)

Hands-free (speak phone) mode

Calling Video Parameter

Video Protocol: H.263, H.264 BP

Video Resolution: 4CIF(H.264), CIF, QCIF

Frame Rates: 25fps max

Picture In Picture (PIP)

Bandwidth: 64Kbps~1.5Mbps

Recommendations: 1.5M bps for 4CIF; 384K bps for CIF call

Calling Audio Parameter

Audio Protocol: G.711A, G.711µ, G.729, AMR

Acoustic Echo Cancellation (AEC)

Acoustic Noise Suppression (ANS)

Automatic Gain Control (AGC)

Voice Activity Detection (VAD), Comfort Noise Generation (CNG)

Adaptive jitter buffer

Camera

High Quality CMOS camera

Focus Range: 30mm~oo

Visual Angle: 55°~70°

Rotating angle: Up to 30°, down to 90°

Photo Browse

Photo Format: JPEG

Maximum Resolution: 24M pixel

IPTV & VOD Features(customized according to projects)

Support IPTV 2.0 standard

Broadcast, Video On Demand (VOD)

Stream Media Format: TS, ISMA

Local Media: Media files stored in host, USB memory stick/SD/MMC card

Local Media File Format: AVI, MP3

Video Standards: H.264 MP

Video Resolution: Supports up to 720p

Frame Rate: 30fps

Video Rate: 768Kbps~3Mbps

Audio Standards: MP3, AAC/AAC+

Network and Provisioning

Network Protocols: TCP/IP, UDP, RTP, RTCP, DHCP, DNS, HTTP, SNTP, RTSP

2x10/100M Ethernet ports with built-in LAN switch

802.11b/g/n

Manual or dynamic (DHCP, PPPoE) network configuration

Network clock synchronization

QoS

Auto down speeding

Package loss compensation: audio keeps good under 10% packet loss

Network Management

Supports TR069

Device authentication

Service automatic distribution

Parameter configuration and query

Device status query

Network diagnosis

Software remote auto upgrade
***Need operator's server support

Phone Special Features (Host)

2000 Phonebook entries

Call history: dialed/received/missed, 100 records each

20 Phonebook groups

Phonebook importing/exporting (U-disk /SD/MMC card)

Configurable ring tone

DECT(1.8G/1.9GHz): 5 handsets max

WDCT(2.4GHz): 3 handsets max

TV Output

3.5mm earphone jack, Stereo

Power

Power Adaptor: 100~240V AC 50~60Hz, 12V/1.5A DC

Power consumption: 15 watts max, 7 watts standby

power On/Off switch

Power saving mode

Approval and Compliance

CE

RoHS

WEEE

REACH

Environmental Specifications

Operating Temperature: 0~40ºC

Operating Humidity: 10~80% (RH)

Storage Temperature: -40°C~70°C

Storage Humidity: 10~95%

Lowest Brightness: 10 lux

Recommended Brightness: > 300 lux

Unit Dimensions

Dimension: 269mm×135mm×72mm (W×H×D)

Host weight: 714g

DECT Handset

Color screen

200 Phonebook entries

3x20 call records

Intercom between host and handsets

Maximum distance between host and handset: 300m (Open and no obstruct area)

Standby Time: 120 hours

Talk Time: 6 hours

Dimension: 160mm×49mm×25mm(W×H×D)

Weight: 127g (Not including battery)

DECT Standard

DECT frequency 1.8GHz/1.9GHZ (Standard Type)

WDCT frequency 2.4GHz

Remark

PSTN compliance: ETSI ES 200 659-3, EN301 437, TBR 38

PSTN should be customized according to projects

Speaker Stylus SD/MMC card jack USB ports Handset Volume tuner Speaker 3.5mm Earphone jack PSTN Port (Remark) Phone set bracket Power switch Power port Video out port, RCA (CVBS) LAN / WAN, RJ45