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GPS
trumpet
microphone
Touch chip
Screen
Screen brightness
Screen resolution
NOR Flash
NAND Flash
Bluetooth
Battery capacity
Standby time
Time of use
Battery Type
Charging method
Charging time
iOS
Android
Language support
Basic functional modules

Voice Assistant

Bluetooth calling

Daily activity monitoring

Sports training function (built-in 110+
sports)

Reminder Module

Other Features

App Store

Gesture (turn your wrist to light up the screen)

Operating temperature

Charging temperature
Operating humidity
Storage temperature
Storage humidity

LQ16 Project Specification



Mechanical Structure

5ATM

1.43"

AMOLED

2.5D curved glass cover

Zinc alloy (die casting + sand blasting + electroplating)

ABS+PET (IML process)

Aluminum alloy (sandblasting + oxidation)

Solid silicone (oil pressure molding, hardness 60)

Magnetic

Stainless steel (stamping + electroplating)

48.9*270.6*11.5mm (excluding heart rate lens protrusion)

48.9*48.9*11.5mm (excluding heart rate lens protrusion)

43.6g (without strap)

TBD

Hardware

YH601M

YH601M

STK8327

VC9213

QMC6308

GS301W (HiSilicon)
1306 (5ATM waterproof)
4015
CST820
AMOLED
500nits
466*466
128Mb Nor Flash
2Gb Nor Flash
BT/BLE 5.2
Power
390mAh
45 days
10-15 days
Lithium polymer
Magnetic
Less than 1.5h
APP OS
iOS 12.0+
Android 6.0+
Function function
Language (General)
Fonts
Clock, date display
Multiple dials
OTA Update

Support offline voice, choose one of the following: 1) Built-in HiSilicon offline voice function, the disadvantage is that there are few words and it can only support Chinese. 2) Third-party offline voice, covering the current functions, currently supports Chinese, needs to be purchased
Voice assistant function (call the mobile phone voice assistant)
Frequently used contacts
Call Records
Dial
Step monitoring
Calorie monitoring
Distance monitoring
Heart rate monitoring (all-day detection)
Blood oxygen detection (all-day detection)
Stress testing (all day testing)
Sleep monitoring (all-day detection)
Wearing detection (liveness recognition)
Outdoor running (GPS sports)
Outdoor walking (GPS sports)
Outdoor Cycling (GPS Sports)
Swim
Indoor running
Mountaineering (GPS sports)
Elliptical Machine
Yoga
Open Water
Pool swimming
Indoor swimming
Spinning Exercise Bike
Strength training
Football

Basketball
Table tennis
Badminton
Cricket
Free training
Incoming call reminder
Message reminder
Low battery reminder
Alarm reminder
Sedentary reminder
Goal achievement reminder
Drink water reminder
Exercise heart rate too high reminder
Women's health reminder
Binding reminder
One-click detection (detection of heart rate, blood oxygen, pressure)
Music (local music/remote control music)
Alarm clock
Stopwatch
Timer
Breathing exercises
Weather (7-day weather)
flashlight
Message reply (Android supports call reply function)
Find your phone
Camera (remote control)
Women's Health
calculator
calendar

drain
E-book (support xtx format)
video
Recording (currently does not support exporting recording files)
Combination lock
AOD
GPS ephemeris data update
Do Not Disturb Mode
Power saving mode
Ringtone settings (incoming call ringtone)
Menu style (list style, nine-grid, smart style, simple style, turntable style, waterfall style, kaleidoscope, four-grid, plane view)
Big palm turns off the screen
Whack-a-Mole
Black and White Chess (game)
Knocking the wooden fish (game)
Number puzzle (game)
Pixel Birds (Game)
2048 (game)
Don't step on the white tile (game)
AI Watch Face
Sudoku (game)
BMI calculator
Scoreboard (game)
ChatGPT
Wrist Raise
lay down
Environmental
0°C to 55°C

(0°C to 40°C) +-3°C
10%-90%RH (non-condensing)
-20°C to 70°C
5%-90%RH (non-condensing)

Brightness is subject to customer requirements
High voltage 3.85V
Leading laboratory data
Chinese, English, French, Japanese, Korean, Russian, German, Traditional Chinese, Turkish, Indonesian (Font support, currently importing: Spanish, Italian, Polish, Thai, Portuguese, Arabic, Bengali, Ukrainian, Malay, Hindi, Vietnamese)
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12/24H
Built-in support for 10 watch faces + multiple push watch faces Cloud watch faces support 300+
support

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