

HUAWEI Module

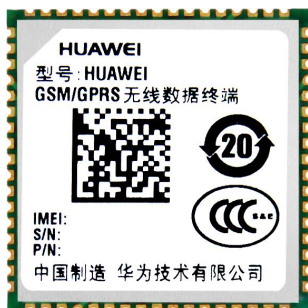
For M2M application

通用特性

- GSM四频:850/900/1800/1900 MHz
- GPRS multi-slot class 10
- 输出功率
- EGSM850 Class 4 (2 W)
- EGSM900 Class 4 (2 W)
- GSM1800 Class 1 (1 W)
- GSM1900 Class 1 (1 W)
- 灵敏度
- GSM 850/900 MHz: -109 dBm (typical)
- GSM 1800/1900 MHz: -107.5 dBm (typical)
- Control via AT commands
- GSM standard AT command
- Huawei extended AT command
- 内置TCP/IP协议栈, 包括UDP协议
- 电源供电
- 3.3 V to 4.2 V (typical: 3.8 V)
- 电源功耗:
- Idle mode : <3mA@DRX=9
- GPRS connected : 460mA@max power level
- Power off: 260uA
- 温度范围
 - 正常工作温度: -20° C to 70° C
 - 拓展工作温度: -40° C to 85° C
 - 存储温度: -40° C to 85° C
- 湿度: 5% - 95%
- 尺寸: 24 mm x 24 mm x 2.95 mm
- 重量: 约3.5g

语言特性

- Analog audio
- Voice coder: FR, EFR, HR and AMR
- Echo suppression support



增值业务

- 来电显示、来电等待、呼叫转移、呼叫保持等
- USSD

数据业务

- GPRS数据
- UL (42.8 kbps)/ DL (85.6 kbps)
- Encoding mode: CS1/ CS2/ CS3/ CS 4

SMS特性

- MO and MT Text and PDU modes

接口型态

- Antenna interface
- LCC form factor:
 - Power supply
 - Analog audio x 2
 - UART x 2
 - SIM Card (1.8V / 3.0V)
 - Network status light-emitting diode (LED) control interface
 - 2.8Vdc output
 - Reset
 - Term_on

增加特性

- STK
- FTP
- HTTP
- Audio Record
- TTS for Chinese (optional)
- GSM CMUX
- auto-adapted baud rate
- Local Update

认证

- CCC
- RoHS

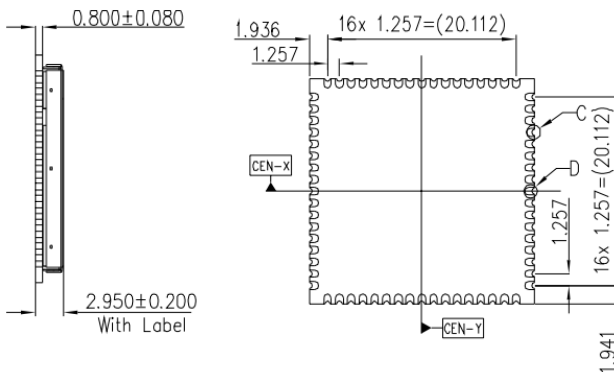
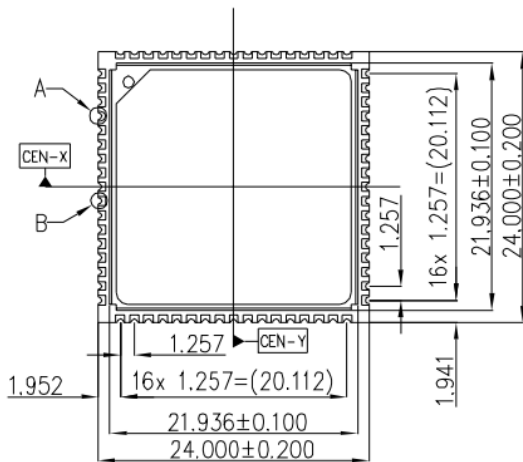
Note:

Please refer to the latest version of *Hardware Guide* about the specifications. Huawei reserves the right to make changes or improvements to any of the products without prior notice.

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硬件接口型态

接口型态



管脚序号	功能	管脚序号	功能
1	GND	35	INTMIC_P
2	GND	36	INTMIC_N
3	GND	37	INTEAR_N
4	RF_ANT	38	INTEAR_P
5	GND	39	EXTMIC_P
6	GND	40	EXTMIC_N
7	VPA	41	GND
8	VPA	42	NC
9	GND	43	GND
10	NC	44	NC
11	LED_STATUS	45	GND
12	NC	46	UART0_RD
13	NC	47	UART0_TD
14	NC	48	NC
15	NC	49	NC
16	NC	50	NC
17	NC	51	NC
18	NC	52	NC
19	NC	53	NC
20	VIO	54	GND
21	VBAT	55	SIM_CLK
22	VBAT	56	SIM_DATA
23	GND	57	SIM_RST
24	UART1_DCD	58	VSIM
25	UART1_RING	59	NC
26	UART1_DSR	60	GND
27	UART1_DTR	61	NC
28	UART1_TD	62	NC
29	UART1_RD	63	NC
30	UART1_CTS	64	NC
31	UART1_RTS	65	GND
32	GND	66	NC
33	EXTEAR_N	67	RESET
34	EXTEAR_P	68	TERM_ON

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软件特性

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AT命令集	V.25 AT命令集 标准GSM AT命令集 Huawei拓展AT命令集
语音特性	支持FR, EFR, HR和AMR音频格式 支持回音抑制
短信特性	支持MO和MT 支持点对点 and 点对多的模式 支持TEXT和PDU模式
GPRS 数据特性	GPRS Class 10, 下行速率: 85.6kbps/上行速率: 42.8kbps 支持CS 1/CS 2/CS 3/CS 4模式 支持组广播控制信道 (PBCCH)
增值服务	来电显示 呼叫转移 呼叫保持 呼叫等待
增加功能	内置TCP/IP协议 8Kv的接触放电, 15Kv的空气放电 支持STK/USSD/FTP/HTTP协议 支持TTS/录音功能 波特率自适应 本地升级 串口复用 支持双音多频 (DTMF) 温度监控 支持国网标准AT命令

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