

	HL8548	HL6528	WS6318
Form Factor	LGA	LGA	LGA
Air Interface	GSM/GPRS/EDGE/HSDPA/HSUPA	GSM/GPRS	GSM/GPRS
Frequency Bands			
HSPA	800/850/900/1900/2100MHz	N/A	N/A
EDGE	850/900/1800/1900MHz	N/A	N/A
GSM/GPRS	850/900/1800/1900MHz	850/900/1800/1900MHz	900/1800MHz
Approvals	CE, FCC, PTCRB, GCF, IC, Anatel, CCC	CE, FCC, PTCRB, GCF, IC, Anatel, CCC	CE , R&TTE
Current Consumption			
Power supply for extended battery life	2.8V supports	2.8V supports	N/A
Alarm (Leakage only)	40µA	35µA	46µA
Standby and Idle (Sleep)	1.2mA	1mA	1.3mA
GSM/GPRS max	360mA	360mA	366mA
HSxPA max	560mA	N/A	N/A
Audio			
Analog Audio	No	Yes	Yes
Digital Audio	Yes	Yes	Yes
Codec	HR,FR,EFR,AMR	HR,FR,EFR,AMR	HR,FR,EFR,AMR
Echo Cancellation & Noise Reduction	Yes	Yes	Yes
DTMF	Yes	Yes	Yes
Interfaces			
UART	8 Lines	8 Lines	8 Lines

USB	Yes	No	No
SPI	No	Yes	No
ADC	2	2	2
GPIO	8	8	Up to 11
Flash LED Output	Yes	No	Yes
PWM (Buzzer)	1	2	2
Tx Burst Indicator	Yes	Yes	Yes
SIM Interface 1.8V/3V	1 SIM DSSS support	1 SIM DSSS support	Yes
Location Solution	GPS & Glonass Sirf V	GPS & Glonass Sirf V	No
Cloud Services	FOTA through AVMS	FOTA through AVMS	N/A
Internet Services	TCP+UDP+FTP+HTTP+HTTPS	TCP+UDP+FTP+HTTP+HTTPS	TCP+UDP : Client and Server FTP : Client
Drivers	USB drivers for Linux, Android, Win CE, Win7, Win XP	Ril driver for Win CE & Linux	No
Device Dimensions	22 x 23 x 2.5mm	22 x 23 x 2.5mm	15 x 17.8 x 2.5mm
Temperature Range	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C