

## **Quectel GSM Module Family**

Product	M10	M12	M72	M75	M80	M95
Appearance						
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Picture		0				0 4
Packaging	64-pin SMD Quad-band module	64-pin SMD Dual-band module	30-pin SMD Dual-band module	30-pin SMD Dual-band module	110-pin SMD Quad-band module	42-pin SMD Quad- band module
General Features						
Frequency Range (MHz)	850/900/1800/1900	900/ 1800	900/ 1800	900/ 1800	850/900/1800/1900	850/ 900/ 1800/ 1900
GPRS Multi-slot Class	12, 1-12 configurable	12, 1-12 configurable	12, 1-12 configurable	12, 1-12 configurable	12, 1-12 configurable	12, 1-12 configurable
Operating Temperature	-40 °C to +85 °C	-40 °C to +80 °C	-40 °C to +85 °C	-40 °C to +85 °C	-40°C to +85 °C	-40 °C to +85 °C
Range						
Dimensions	29.0×29.0×3.6mm	29.0×29.0×3.6mm	27.5×24.0×3.6mm	27.5×24.0×3.6mm	23.0×25.0×2.6mm	19.9×23.6×2.65mm
Weight(approx.)	6.0 g 3.3V to 4.6 V	6.0 g 3.3V to 4.6 V	4.3 g 3.3V to 4.6 V	4.3 g 3.3V to 4.6 V	3.3 g 3.3V to 4.6 V	3.0 g 3.3V to 4.6 V
Power Supply	1.3mA @DRX=5	1.3mA @DRX=5	1.3mA @DRX=5	1.3mA @DRX=5	1.3mA @DRX=5	1.3mA @DRX=5
Low Power Consumption	1.2mA @DRX=9	1.2mA @DRX=9	1.2mA @DRX=9	1.3ma @DRX=5 1.2mA @DRX=9	1.3ma @DRX=5 1.2mA @DRX=9	1.2mA @DRX=9
Certificates	, <u>C</u> = 1 C	<u> </u>	, <u> </u>		, <u> </u>	<u> </u>
			1			
Certificates	CE/FCC/GCF/PTCRB/IC/ NCC/UCRF/Rogers/ICASA ANATEL/NAL/China TA	CE/UCRF	CE/UCRF/A-Tick	CE/UCRF/ICASA	CE/IC/FCC/UCRF ANATEL/ICASA	CE/FCC/GCF/PTCRB/NCC ANATEL/IC/ICASA/UCRF A-Tick
<b>Network Protocols</b>						
PPP	Yes	Yes	Yes	No	Yes	Yes
TCP/UDP	Yes	Yes	Yes	No	Yes	Yes
HTTP	Yes	Yes	Yes	No	Yes	Yes
FTP	Yes	Yes	Yes	No	Yes	Yes
MMS	Yes	Yes	No	No	Yes	No
SMTP	Yes	Yes	Yes	No	Yes	Yes
MUX				NI.	Yes	Yes
	Yes	Yes	Yes	No	162	163
-	Yes MS via GSM / GPRS		Yes	Ino	res	lies .
			Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode
Specifications for SI	MS via GSM / GPRS Point-to-point MO & MT SMS cell broadcast	Point-to-point MO & MT	Point-to-point MO & MT SMS cell broadcast	Point-to-point MO & MT SMS cell broadcast	Point-to-point MO & MT SMS cell broadcast	Point-to-point MO & MT SMS cell broadcast
Specifications for SI SMS CSD	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode
Specifications for SI SMS CSD Specifications for vo	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps
Specifications for SI SMS CSD	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode	Point-to-point MO & MT SMS cell broadcast Text and PDU mode
Specifications for SI SMS  CSD  Specifications for vo Speech Codec Modes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  Dice HR, FR, EFR, AMR Echo Cancellation Echo Suppression	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps HR,FR, EFR,AMR Echo Cancellation Echo Suppression	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps HR, FR, EFR, AMR Echo Cancellation Echo Suppression
Specifications for SI SMS  CSD  Specifications for vo Speech Codec Modes Echo Arithmetic	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  Dice HR, FR, EFR, AMR Echo Cancellation Echo Suppression	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps HR,FR, EFR,AMR Echo Cancellation Echo Suppression	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps HR, FR, EFR, AMR Echo Cancellation Echo Suppression
Specifications for SI SMS  CSD  Specifications for vo Speech Codec Modes  Echo Arithmetic  Interfaces  SIM Audio Analog	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction
Specifications for SI SMS  CSD  Specifications for vo Speech Codec Modes  Echo Arithmetic  Interfaces SIM	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  Dice HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V
Specifications for SI  SMS  CSD  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR  Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No No No No No Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes
Specifications for SI  SMS  CSD  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No No Ves 2	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps No No No No No Ves	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2
Specifications for SI  SMS  CSD  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART  GPIO	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No No Ves 2 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No No Ves 2 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No
Specifications for SI SMS  CSD  Specifications for vo Speech Codec Modes  Echo Arithmetic  Interfaces  SIM Audio Analog Audio Digital RTC Backup UART GPIO SD Card Interface	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No Ves 2 No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No No Yes 2 No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No
Specifications for SI  SMS  CSD  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART  GPIO  SD Card Interface  ADC	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No No Ves 2 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No No Ves 2 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No
Specifications for SI SMS  CSD  Specifications for vo Speech Codec Modes  Echo Arithmetic  Interfaces SIM Audio Analog Audio Digital RTC Backup UART GPIO SD Card Interface ADC  Recommended App	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No Sy/ 1.8V No No Yes 2 No No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No Sylva 1.8V No No Yes 2 No No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No
Specifications for SI SMS  CSD  Specifications for vo Speech Codec Modes  Echo Arithmetic  Interfaces SIM Audio Analog Audio Digital RTC Backup UART GPIO SD Card Interface ADC  Recommended App Automatic Meter Reading	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  Dice HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes Ilications	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No Syes 2 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No Sy/ 1.8V No No No Yes 2 No No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No
Specifications for SI  SMS  CSD  Specifications for vo  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART  GPIO  SD Card Interface  ADC  Recommended App  Automatic Meter Reading  Automotive	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  Dice HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes Yes Ilications	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No Syes 2 No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No Sylva 1.8V No No No Yes 2 No No No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No
Specifications for SI  SMS  CSD  Specifications for vo  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART  GPIO  SD Card Interface  ADC  Recommended App  Automatic Meter Reading  Automotive  Retail and Payment	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes Slications  * * * *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No Sylva Syl	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No No No Yes 2 No No No No No No No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes Yes  * * * * * * * * * * * * * * * * * *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No No
Specifications for SI  SMS  CSD  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART  GPIO  SD Card Interface  ADC  Recommended App  Automatic Meter Reading  Automotive  Retail and Payment  Security	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes Ves Ilications  **  **  **  **  **  **  **  **  **	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes Yes Yes  *  *  *  *  *  *  *  *  *  *  *  *  *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No No  ***  ***  **  **  **  **
Specifications for SI  SMS  CSD  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART  GPIO  SD Card Interface  ADC  Recommended App  Automatic Meter Reading  Automotive  Retail and Payment  Security  Tracking and Tracing	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes Slications  * * * *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No No No Sylva Syl	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  No No No No No Yes 2 No No No No No No No No No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes Yes  * * * * * * * * * * * * * * * * * *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No No
Specifications for SI  SMS  CSD  Specifications for vo Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog Audio Digital  RTC Backup  UART  GPIO SD Card Interface  ADC  Recommended App  Automatic Meter Reading Automotive Retail and Payment Security Tracking and Tracing Remote Maintenance and Control	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes  Ilications  *  *  *  *  *  *  *  *  *  *  *  *  *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes  **  **  **  **  **  **  **  **  **	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes Yes Yes  *  *  *  *  *  *  *  *  *  *  *  *  *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No No  **  **  **  **  **  **  **
Specifications for SI  SMS  CSD  Specifications for vo  Speech Codec Modes  Echo Arithmetic  Interfaces  SIM  Audio Analog  Audio Digital  RTC Backup  UART  GPIO  SD Card Interface  ADC  Recommended App  Automatic Meter Reading  Automotive  Retail and Payment  Security  Tracking and Tracing  Remote Maintenance and	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  Dice  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes  Ilications  *  *  *  *  *  *  *  *  *  *  *  *  *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 3 Yes Yes Yes Yes Yes	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  No	Point-to-point MO & MT SMS cell broadcast Text and PDU mode  Up to 14.4 kbps  HR,FR, EFR,AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 3 outputs Yes Yes 3 No Yes Yes  *  *  *  *  *  *  *  *  *  *  *  *  *	Point-to-point MO & MT SMS cell broadcast Text and PDU mode Up to 14.4 kbps  HR, FR, EFR, AMR Echo Cancellation Echo Suppression Noise Reduction  3V/ 1.8V 2 inputs/ 2 outputs No Yes 2 No No No No  **  **  **  **  **  **  **