

DECT CORDLESS – DCE AND DCX FAMILIES

	DCE		DCX		
	DE56 + RF19Z/RF24	DCE58 + RF19Z/RF24	DCX78/79	DCX81	DCXD1 + DRF1912
Function	Baseband + RF	Baseband + RF	Single Chip	Single Chip	Baseband + RFAPU
Segment					
Entry Level	✓	✓	✓		
Mid-Range	✓		✓	✓	
High-End			✓	✓	✓
Radio Frequency					
DECT (EUR)	RF19Z	RF19Z	✓	✓	✓
DECT 6.0 (US)	RF19Z	RF19Z	✓	✓	✓
K-DECT	RF19Z	RF19Z	✓	✓	✓
J-DECT	RF19Z	RF19Z	✓	✓	✓
2.4 GHz	RF24	RF24			
Memory					
External QSPI Flash				✓	✓
External SRAM					✓
Internal RAM	✓	✓	✓	✓	✓
Internal Flash			✓		
ROM	✓	✓	✓		
Processing and Features					
Processor	TeakLite	TeakLite	ARM968	ARM926	ARM926
MIPS	74-110 MHz	74-99 MHz	124MHz	208MHz	208MHz
Cache				I+D	I+D
Hardware Accelerators	ADPCM	ADPCM	ADPCM MLSE (only in DCX79)	JPEG DMA ADPCM MLSE	JPEG DMA ADPCM MLSE
Non-Blind Slot			✓	✓	✓
Integration					
RF PA	✓	✓	✓	✓	✓
RF Switches	✓	✓		✓	✓
14-Segment LCD	✓	✓			
I/O					
Keypad	✓	✓	✓	✓	✓
GPIO	✓	✓	✓	✓	✓
UART	✓	✓	✓	✓	✓
USB	✓		✓	✓	✓
PCM/IOM/TDM	✓		✓	✓	✓
I2S				✓	✓
SPI	✓	✓	✓	✓	✓
PWM	✓	✓	✓	✓	✓
External Bus				8-bit	16-bit

DSP Group®, Inc. (NASDAQ: DSPG) is a leading global provider of wireless chipset solutions for converged communications. Delivering semiconductor system solutions with software and hardware reference designs, DSP Group enables OEMs/ODMs, consumer electronics (CE) manufacturers and service providers to cost-effectively develop new revenue-generating products with fast time to market. At the forefront of semiconductor innovation and operational excellence for over two decades, DSP Group provides a broad portfolio of wireless chipsets integrating DECT/CAT-iq, ULE, Wi-Fi, PSTN, HDClear™, video and VoIP technologies.

DSP Group enables converged voice, audio, video and data connectivity across diverse mobile, consumer and enterprise products – from mobile devices, connected multimedia screens, and home automation & security to cordless phones, VoIP systems, and home gateways. Leveraging industry-leading experience and expertise, DSP Group partners with CE manufacturers and service providers to shape the future of converged communications at home, office and on the go.

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