




Low Power 16-Bit Dual/Single ADCs

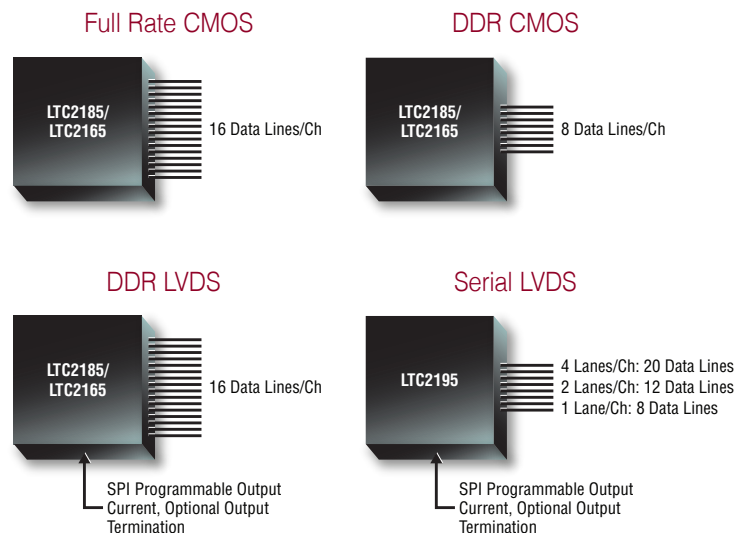
	25Msps	40Msps	65Msps	80Msps	105Msps	125Msps
Single Channel	2160	2161	2162	2163	2164	2165
Dual Channel	2180	2181	2182	2183	2184	2185
	2190	2191	2192	2193	2194	2195
Power Consumption	40mW/Ch	60mW/Ch	80mW/Ch	100mW/Ch	155mW/Ch	185mW/Ch

 7x8 QFN	1.8V Dual ADCs, Serial LVDS Outputs	 9x9 QFN	1.8V Dual ADCs, Parallel Outputs	 7x7 QFN	1.8V Single ADCs, Parallel Outputs
---	-------------------------------------	---	----------------------------------	---	------------------------------------

Flexible Digital Outputs

Features

- 16-Bit, 25Msps to 125Msps ADCs
- 76.8dB SNR, 90dB SFDR
- Single 1.8V Supply
- Flexible Digital Interfaces:
 - LTC®2185/LTC2165: CMOS, DDR CMOS or DDR LVDS Outputs
 - LTC2195: Serial LVDS
- Selectable Input Ranges: $1V_{P-P}$ to $2V_{P-P}$
- 550MHz Full-Power Bandwidth S/H
- Optional Data Output Randomizer
- Optional Clock Duty Cycle Stabilizer
- Shutdown and Nap Modes
- Serial SPI Port for Configuration
- Easy Evaluation Using PScope™ Tool



LT, LT, LTC, LTM, Linear Technology and the Linear logo are registered trademarks and PScope is a trademark of Linear Technology Corporation. All other trademarks are the property of their respective owners.

High Speed ADC Portfolio

	10Msps	20Msps	25Msps	40Msps	65Msps	80Msps	105Msps	125Msps to 150Msps	170Msps	210Msps	250Msps	310Msps	
16-Bit	Single	2202	2201	2203	2204	2205	2206	2207	2208	2209			
						2215	2216	2217					
16-Bit	Dual		2269	2160	2161	2162	2163	2164	2165				
			2270	2180	2181	2182	2183	2184	2185				
14-Bit	Dual		2271	2190	2191	2192	2193	2194	2195				
14-Bit	Single	2245		2246	2247	2248	2249	2254	2255				
				2256-14	2257-14	2258-14	2259-14	2260-14	2261-14	2262-14	2150-14	2151-14	2152-14
14-Bit	Dual	2295		2296	2297	2298	2299	2284	2285	2155-14	2156-14	2157-14	2158-14
				2140-14	2141-14	2142-14	2143-14	2144-14	2145-14				
14-Bit	Quad			2263-14	2264-14	2265-14	2266-14	2267-14	2268-14				
				2170-14	2171-14	2172-14	2173-14	2174-14	2175-14				
14-Bit	Octal			9006-14	9007-14	9008-14	9009-14	9010-14	9011-14				
12-Bit	Single	2225		2226	2227	2228	2229	2252	2253	2221	2220	2241-12	2242-12
				2256-12	2257-12	2258-12	2259-12	2260-12	2261-12	2262-12	2150-12	2151-12	2152-12
12-Bit	Dual	2290		2291	2292	2293	2294	2282	2283	2155-12	2156-12	2157-12	2158-12
				2140-12	2141-12	2142-12	2143-12	2144-12	2145-12				
12-Bit	Quad			2263-12	2264-12	2265-12	2266-12	2267-12	2268-12				
				2170-12	2171-12	2172-12	2173-12	2174-12	2175-12				
10-Bit	Single			2236	2237	2238	2239	2250	2251	2231	2230	2241-10	2242-10
10-Bit	Dual			2286	2287	2288	2289	2280	2281				

Parallel

6x6

1.8V Lowest Power, Single & Dual ADCs, CMOS/DDR CMOS/DDR LVDS

7x7

7x7

3.3V High SNR/SFDR ADCs, CMOS/LVDS

9x9

9x9

3.3V/2.5V ADCs, CMOS/LVDS

9x9

6x6

1.8V High IF Undersampling Single & Dual ADCs, DDR LVDS

9x9

5x5

3V ADCs, CMOS

9x9

3V Dual ADCs, CMOS

Serial

6x6

3.3V 2-Wire Serial JESD204 ADCs

7x8

1.8V Dual ADCs, Serial LVDS

6x6

1.8V Dual ADCs, Serial LVDS

7x8

1.8V Quad ADCs, Serial LVDS

11x9

1.8V Octal ADCs, Serial LVDS