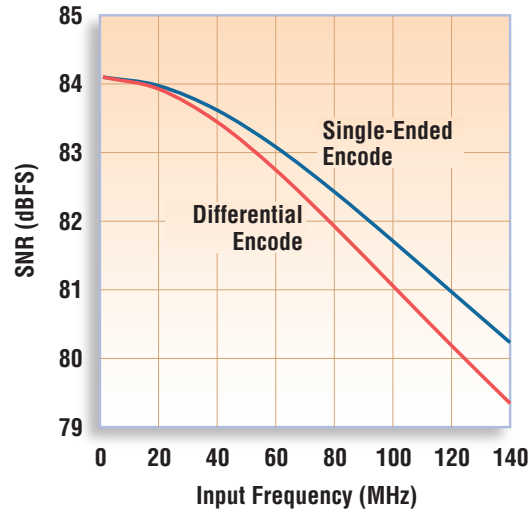
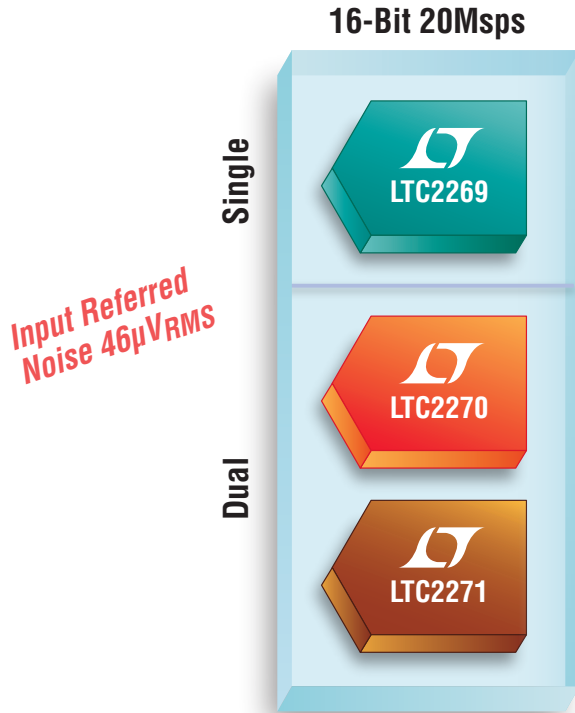


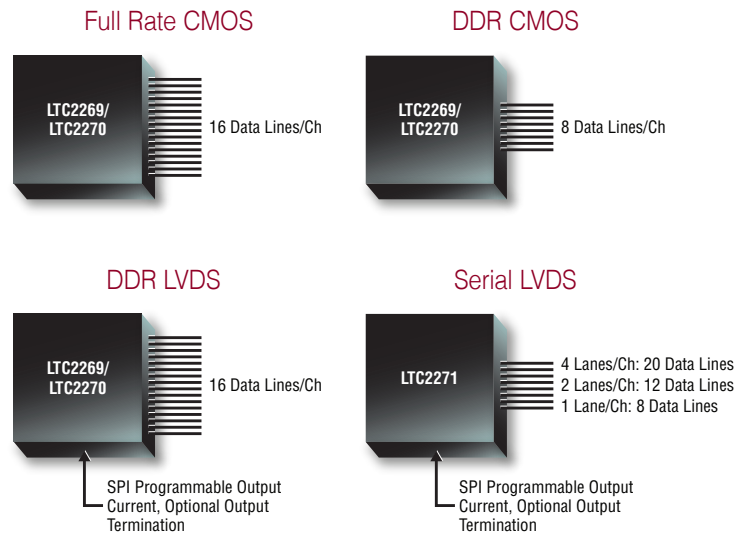
# Lowest Noise 16-Bit 20Msps ADCs



## Features

- 16-Bit, 20Msps ADCs
- 84dB SNR, 99dB SFDR
- Single 1.8V Supply
- 80mW per Channel Power Dissipation
- Flexible Digital Interfaces:
  - LTC<sup>®</sup>2269/LTC2270: CMOS, DDR CMOS or DDR LVDS Outputs
  - LTC2271: Serial LVDS
- Selectable Input Ranges: 1V<sub>P-P</sub> to 2.1V<sub>P-P</sub>
- 200MHz 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

## Flexible Digital Outputs



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# 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 2215 2272	2206 2216 2273	2207 2217 2274	2208	2209			
	Dual		2269	2160	2161	2162	2163	2164	2165				
14-Bit	Single	2245	2246 2256-14	2247 2257-14	2248 2258-14	2249 2259-14	2254 2260-14	2255 2261-14	2262-14	2150-14	2151-14	2152-14	2153-14
	Dual	2295	2296 2140-14 2263-14	2297 2141-14 2264-14	2298 2142-14 2265-14	2299 2143-14 2266-14	2284 2144-14 2267-14	2285 2145-14 2268-14		2155-14	2156-14	2157-14	2158-14
	Quad		2170-14	2171-14	2172-14	2173-14	2174-14	2175-14					
	Octal		9006-14	9007-14	9008-14	9009-14	9010-14	9011-14					
12-Bit	Single	2225	2226 2256-12	2227 2257-12	2228 2258-12	2229 2259-12	2252 2260-12	2253 2261-12	2221 2262-12	2220 2150-12	2241-12 2151-12	2242-12 2152-12	2153-12
	Dual	2290	2291 2140-12 2263-12	2292 2141-12 2264-12	2293 2142-12 2265-12	2294 2143-12 2266-12	2282 2144-12 2267-12	2283 2145-12 2268-12		2155-12	2156-12	2157-12	2158-12
	Quad		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	
	Dual		2286	2287	2288	2289	2280	2281					

## Parallel



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



3.3V High SNR/SFDR ADCs, CMOS/LVDS



3.3V/2.5V ADCs, CMOS/LVDS



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



3V ADCs, CMOS



3V Dual ADCs, CMOS

## Serial



3.3V 2-Wire Serial JESD204 ADCs



1.8V Dual ADCs, Serial LVDS



1.8V Dual ADCs, Serial LVDS



1.8V Quad ADCs, Serial LVDS



1.8V Octal ADCs, Serial LVDS