

BroadLogic

BroadLogic Network Technologies designs and supplies breakthrough semiconductor technologies that enable broadband network operators to offer next-generation digital video, voice and data services today. BroadLogic's patented technologies act as broadband engines to power subscriber-premises devices such as ultra-high-speed cable modems, advanced DVR set-top boxes, and entirely new, multi-service platforms.

BroadLogic silicon enables new subscriber platforms which directly address cable operators' needs for speed, access and spectrum. Based on a groundbreaking, patented media-processing architecture, BroadLogic chips significantly amplify device performance on today's broadband networks resulting in an experience so robust, so original and so dramatically powerful, that it represents an improvement in service delivery by an order of magnitude. This low cost, low power, CMOS technology approach is known as BroadLogic WideBand™.

BroadLogic's innovative WideBand technologies deliver unprecedented levels of performance when compared to conventional implementations of tuning, demodulation, MPEG decoding and NTSC/PAL encoding. Simply put, BroadLogic's WideBand Receiver delivers over 15 times the throughput of conventional approaches, all on a single chip. Yet even with this quantum leap, BroadLogic's solutions remain fully compatible with today's cable industry network infrastructures and CableLabs' standards.

BroadLogic WideBand overcomes existing technological barriers to dramatically improve the performance of today's high-speed data and digital video environments through the simultaneous processing of large amounts of content representing hundreds or even thousands of digital streams. Targeted at key applications within subscriber premises equipment, BroadLogic's single-chip implementations are optimized to perform a combination of media processing functions. This compares to conventional solutions from current suppliers that require multiple components to perform such functions and thus are limited to devices supporting one or two channels at a time.



Viewed in another sense, while today's typical subscriber devices access less than 1% of the network's bandwidth in a 750MHz plant, BroadLogic powered devices can access over 40% of the network, *continuously*. Only BroadLogic technology unlocks the true potential of the broadband network.

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