Maximize Your Potential

Help Shape the Future of Networking & Communications Technology

About MaxLinear

MaxLinear strives to improve the world's communication networks for everyone by connecting people through our highly integrated radio-frequency (RF), analog, digital, and mixed-signal semiconductor solutions for access and connectivity, wired and wireless infrastructure, and industrial and multi-market applications.

Since the company was founded in 2003, customers have relied on MaxLinear technology to build a broad range of equipment including: wireless carrier access for macro base stations and active antenna systems; microwave & mm-Wave backhaul/fronthaul infrastructure; fiber-optic modules for data center, metro, and long-haul transport networks; all-flash storage array systems; electronic point-of-sale equipment; IoT gateways; ethernet switches; cable DOCSIS broadband modems and gateways; and wireline connectivity devices for in-home networking applications.

MaxLinear designs, markets and sells semiconductor products that utilize standard CMOS processes and combine innovative high-performance RF and mixed-signal design with expertise in digital communications systems, software, high-performance analog and embedded systems to provide highly integrated semiconductor devices and platform-level solutions. MaxLinear's ability to design analog and mixed-signal circuits in CMOS allows the efficient combination of analog and digital signal processing functionality in the same integrated circuit. As a result, MaxLinear solutions have high levels of functional integration and performance, small silicon die size, and low power consumption.

We are headquartered in Carlsbad California and employ approximately 1,400 smart, driven, and motivated people around the world.

Access

Solutions bring up to 10Gbps to the home over copper, coax, fiber

Connectivity

Wired and Wi-Fi solutions deliver up to 10Gbps throughout the home

Infrastructure

Solutions for 4G and 5G wireless, enterprise server/storage, 400Gbps optical and multi-gigabit wireline communication network solutions

Industrial

Power Management and Interface products that address industrial and multi-market applications

Founded 2003	NYSE MXL	IPO 2010
1420 Employees*	~66% Engineers	~70% Masters or PHDs
Patents* 1716+	2020 Revenue $479M	Units Delivered 3B+

* As of December 31, 2020

Customers

Arris	ZTE	Ericsson
Technicolor	PBI	Nokia
WNC	Compal	NEC
MTI	Humax	Raspberry Pi
Sky-UK	Samsung	Siemens
Hiltron	Sagemcom	Ingenico
Fiberhome	Belkin	NCR
AVM	Arcadyan	Calix

Fabless Manufacturing

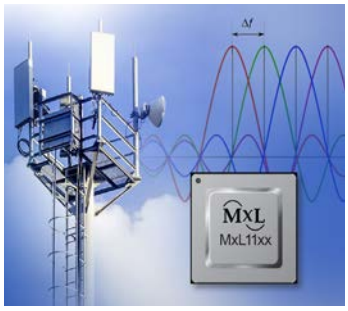
Foundries:	*Assembly:*
TSMC, UMC, Global Foundries, SMIC, Silan, and Vanguard	ASE, AMKOR, UTAC, JCET, Greatek, and ANST

R&D Locations

Carlsbad, CA	Bangalore, India	Villach, Austria
Irvine, CA	Vancouver, Canada	Munich, Germany
San Jose, CA	Valencia, Spain	Israel & Singapore

Engineering Disciplines

RF IC



- Analog architecture and estimations during business development phase
- Full custom transistor level design, implementation, and verification of integrated analog and mixed signal RF systems and blocks
- Tools: Cadence Virtuoso, Mentor Calibre, and Matlab

Communication Systems

- Business development for potential new projects
- During projects:
  - C and systemC models for ASIC
  - Programming guides for SW
  - Sign-off Comsys blocks (FPGA, ASIC)
- Standardization activities
- Tools: Matlab, C/C++/SystemC, OMNET++

Software Validation

- Software and System Quality Assurance
- Specific and automated test cases
- Test plan design and implementation
- Tools: Python, Jenkins, Robot Framework, Linux, Virtualization

Digital IC

- Block level micro-architecture design
- RTL coding and verification
- Full front-to-back end ASIC implementation
- Tools: Cadence based (Incesive, Genus, Innovus, Conformal) and Spyglass

Software Design

- Real-time embedded firmware design
- Specifications and design of drivers and algorithms for communication systems
- Tools: Gcc toolchain, Makefile, Eclipse

System Hardware

- Board schematics design and layout
- Signal integrity and EMC
- Remote and on-site techical support

Application Engineering

- Software application development and integration with other MaxLinear platforms
- System validation
- Support to customers and FAEs
- Tools: OrCAD, ADS, PSpice, Labview

Career and Internship Opportunities
www.maxlinear.com/company/careers
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