

Communication Products Division Overview



- Design Expertise**
- World Class Manufacturing**
- Time-to-Market**
- Certification**
- Total Cost of Ownership**
- Flexibility**
- Product Quality**

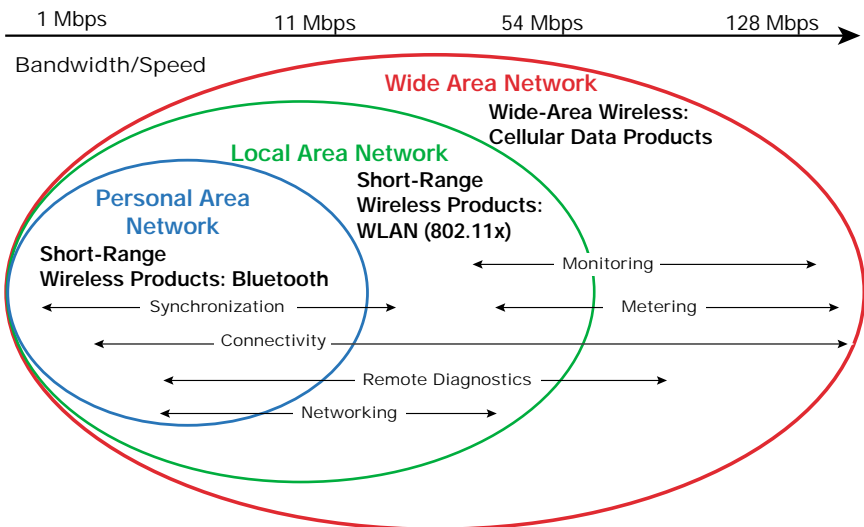
Communication Products Division Overview

SMART's **Communication Products Division (CPD)** has extensive experience and focus with leading edge, client-side personal communication sub-systems for wireless and wired Personal Area, Local Area and Wide-Area Networks. CPD designs and manufactures standard and custom wireline and wireless communication products for OEMs who demand proven technology and fast time-to-market in a low total cost solution.

CPD provides complete product development, program management and full-service product engineering of wireline and emerging wireless technologies delivered by any of SMART's world-class manufacturing facilities. More information on CPD bluetooth products and services can be obtained at www.smartm.com/bluetooth

Product Line Overview

SMART CPD has focused its development in communication products that address the markets of Computing, Networking, Telemetry (machine to machine) and Telematics (automotive). With products in both wireline and wireless arenas, the portfolio of standard and custom products enable SMART to be a leader in the OEM/ODM space addressing the outsource design, product development and high-quality manufacturing required for today's communication applications. The product offering crosses the three prominent networks (PAN, WLAN, WAN) with both wireline and wireless products in both custom and standard form factors enabling SMART CPD to be a one-stop outsourcing solution for communication sub-systems



Wireline Products

SMART's experience in wireline products includes modems in a variety of industry standard form factors including PCI, MiniPCI & PC Card as well as custom designs that address the PDA markets and the embedded space. Included in the category of wireline is our IEEE 1394 (FireWire) high-speed connectivity products. SMART CPD addresses the needs of the Computing and Telematics markets with a complete portfolio of technologies to address the various applications targeted by our customers.

Short-Range Wireless Products

The growing PAN and WLAN environments are expanding rapidly as the OEM base incorporates added connectivity to their products. SMART provides leading edge products in Bluetooth and 802.11x to address these needs. From standard form factors such as PCMCIA and MiniPCI, through to miniaturized modules, SMART has stand-alone and combination products in the 2.4Ghz and 5.2Ghz families that are used today in the Computing, Networking, Telemetry and Telematics markets.

Wide-Area Wireless Products

As part of Solectron, SMART is able to leverage both the design, manufacturing and test capabilities of one of the industry's largest wireless manufacturers. SMART CPD is combining the Solectron strength with its own integration design efforts to provide a portfolio of products in the cellular data and combination cellular + short-range wireless markets.

Bluetooth Product Line

PC Card (Blue Sapphire)



Designed to address the Mobile Personal Computer market, SMART's PC Card provides Bluetooth capability for both current and legacy machines.

The Class 2 PC Card is compliant with Bluetooth 1.1 specifications. Included with the PC Card is ImpulseSoft's Bluetooth Software Stack, BluePC, and supports Windows 2000 and Windows XP.

USB Adaptor (Blue Opal)



Offering instant interoperability, SMART's USB Adaptor is designed to address the Mobile Personal Computer and Desktop Computer "Add-On" markets by providing Bluetooth support for current and legacy machines.

SMART's USB Adaptor is a Class 2 Bluetooth device, compliant with Bluetooth Specification 1.1 and USB Specification 1.1. Included with the USB Adaptor is ImpulseSoft's Bluetooth Software Stack, BluePC, and supports Windows 98 Second Edition, Windows ME, Windows 2000 and Windows XP.

Mini Modules (Blue Topaz)



SMART's Bluetooth Mini-Module is designed to address small form-factor applications including: Personal Digital Assistants, Notebook Computers, Cellular Telephones and other applications.

This Class 2 device, fully compliant with Bluetooth specification 1.1, features a RF coaxial connector to connect to an external antenna. For a complete and total Bluetooth solution, the module requires a host processor and Bluetooth Protocol Stack Software.

Serial Port Adaptor (Blue Lapis)



Designed to address the "Embedded Bluetooth" Serial Cable replacement market. SMART's Serial Port Adaptor supports DTE and DCE devices and also relieves the "Host System" from processing resources to run a Bluetooth protocol stack.

This Class 2 Serial port Adaptor is fully compliant with Bluetooth specification 1.1.

Engineering

SMART CPD Engineering provides complete product development for both standard and custom products. Through partnerships with industry leading silicon developers, SMART develops and delivers World-Class, High Quality Wireline and Wireless Communication solutions to our customers.

With facilities located in Fremont California, SMART Engineering develops, integrates and qualifies complete product solutions. And, as part of the Solectron family of companies, SMART leverages industry leading, 2-time Malcom-Baldrige award winning manufacturing and test expertise to deliver products with world-class quality built in from the very start of development. This quality in design is carried through the entire product lifecycle.

Key Highlights and Advantages

- Certified ISO-9001 Development
- Ability to develop multi-function combination solutions.
- Experience with leading silicon providers for V.90/92, IEEE 1394A, Bluetooth and 802.11x solutions.
- Use of industry leading design rules and test solutions.
- Extensive experience in both standard and customer form-factors.
- Provides industry and regulatory certification services for customers.
- Experience in Worldwide Homologation of products.
- Design, Manufacturing and Test expertise in PCBA and LTCC.

Company Overview

www.smartm.com



Worldwide Manufacturing Headquarters,
Fremont, California



Manufacturing,
Penang, Malaysia

Manufacturing,
East Kilbride, Scotland



Manufacturing,
Aguadilla, Puerto Rico

Manufacturing,
Wilmington, Massachusetts

SMART Modular Technologies Inc. (SMART) is a wholly owned operating company within Solectron Corporation's (NYSE: SLR) Technology Solutions Business Unit (TSBU). SMART, a leading independent manufacturer of memory, communication sub-systems and DC-DC converters offers more than 500 products to premier OEMs in the computer, networking and telecommunications industries. Through its relationship to Solectron, SMART offers customers competitive outsourcing advantages, such as access to advanced manufacturing technologies, shortened product time-to-market, reduced total cost of ownership and more effective asset utilization.

History

In 1988, SMART was founded as an independent memory module manufacturer. Over the span of the Company's first 11 years, SMART strengthened and expanded its product line to include Communication and Embedded products through acquisitions. In December of 1999, SMART merged with Solectron Corporation, the world's largest provider of customized electronics manufacturing solutions and two-time winner of the prestigious Malcolm Baldrige Award for quality excellence.

SMART manufactures its product throughout the world in Fremont, California; Wilmington, Massachusetts; East Kilbride, Scotland; Aguada, Puerto Rico; and Penang, Malaysia. SMART has design centers in Wilmington, Massachusetts, Fremont and Irvine, California, plus sales organizations worldwide.

TSBU Value Add Proposition

Combining standard or custom form-factors with leading edge technology, product development and complete program management, SMART's CPD can provide recognized value-add to our customers. Leveraging established silicon and software technology partnerships, CPD offers expertise in quality design and integration, world-class manufacturing and supply chain logistic excellence.



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COMMUNICATION PRODUCTS DIVISION