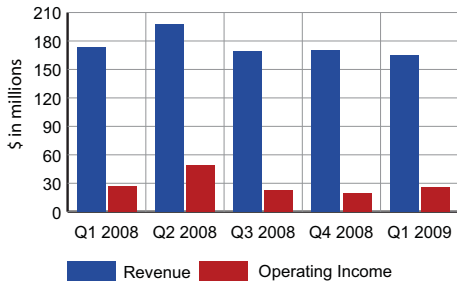


# Communications Test & Measurement Fact Sheet

## Revenue and Operating Income



Following the acquisition of Acterna in 2005, JDSU became the world leader in test and management solutions for consumer and business broadband communications. By expanding into the adjacent Test and Measurement (T&M) market, JDSU expanded its addressable market to \$6.5 billion. Importantly, the company also significantly diversified its business: whereas the majority of Optical Communications business derives from a small number of network equipment manufacturers (NEMs), Communications Test & Measurement has historically derived the majority of its revenue from several hundred telecom and cable service providers.

JDSU's T&M business contributed \$165.3 million, or 43% of total non-GAAP revenue in Q1 2009.

## The Battle for the End User

One of the key growth drivers in the T&M space today is the ongoing battle between telecom and cable companies to be the all-in-one provider of multiple advanced services. For example, AT&T has traditionally been viewed as a telecom company but is expanding its services to include data services (becoming an internet service provider), and video services over wireline and wireless networks. Cable operators such as Comcast started with cable and video services, expanded into data services, and now offer voice services, with an eye on wireless.

On the consumer side, these companies are competing to become your single supplier of voice, data, video and wireless services. On the business side, it is often these same companies who are competing to offer the advanced business services, such as Ethernet or Voice Over Internet Protocol (VoIP).

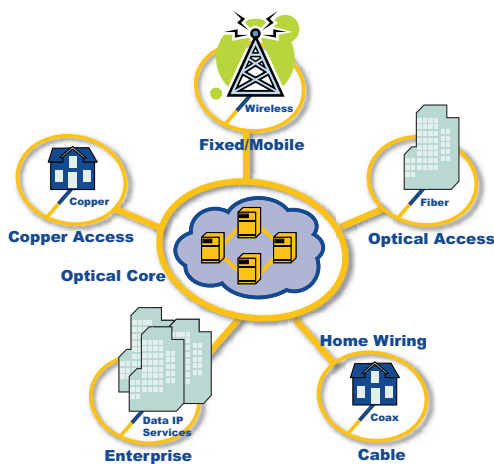
## Where Does JDSU T&M Fit In?

With several competing companies expanding into the triple-play market, quality and cost are key differentiators. Each operator strives to offer a highly attractive service, or bundle of services, at a competitive price, and to maintain high levels of customer satisfaction so that customers don't switch to a competing provider.

Used throughout the network, and supporting the entire lifecycle from conception to deployment and beyond, T&M instruments and systems allow operators to speed deployment, improve quality, increase performance, and ultimately reduce costs. JDSU T&M instruments and systems can identify problems anywhere on the network, offering in-depth analysis and diagnostics that allow the operator to resolve problems quickly and often without dispatching a technician. When 'truck rolls' (sending a technician to the physical location of the problem) are required, the right technician can be sent to the correct location with the correct tools to repair, rather than research, the problem.

In addition, JDSU provides a comprehensive suite of test solutions used by network equipment manufacturers in the design and manufacture of next-generation network equipment. Thorough testing plays a critical role in producing the high quality components and equipment that are the cornerstone of network infrastructure. The JDSU T&M portfolio reaches from inside the home to further validate service, out to the wireless market to ensure quality of service for mobile users. We believe that no other test equipment vendor can match the JDSU product depth or address as broad a range of communications test applications, and as a result JDSU is a single source for many of our customer's testing needs.

## Communications Test Networks & Technologies

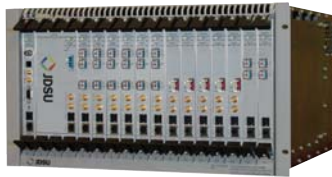




MAP-200



ONT-506



TestPoint



HST-3000



DSAM-6000



MTS-8000/T-BERD 8000

### JDSU's Leading Position

With more than 175 patents, and more than 4,000 customers worldwide, JDSU is the leader in test and measurement solutions for consumer and business broadband communications. JDSU has earned several industry accolades, including 2007 Internet Telephony Product of the Year Award, Frost & Sullivan's 2007 Global Communications Test and Measurement Company of the Year Award, Frost & Sullivan's 2006 Growth Strategy Award for IP Video/IPTV test, and the 2006 Service Offering Strategy Leadership Award.

### Some Examples of JDSU's Communications Test & Measurement Products

Detailed information on the complete JDSU T&M portfolio is available at [www.jdsu.com/test](http://www.jdsu.com/test). The portfolio includes test solutions that address every stage of network deployment and service delivery:

- **Lab and Production:** Enabling equipment manufacturers to test their gear before it goes to a customer.
- **Field Services:** Portable devices used in both a lab or manufacturing facility as well as in the field during installation and troubleshooting.
- **Service Assurance:** Systems generally built into the network to ensure service quality for the end-user.

The following list highlights some of our most popular T&M products.

#### Lab and Production

- **MAP-200:** The MAP-200 is a modular optical test and measurement platform that is optimized for the cost-effective development and manufacturing of optical transmission network elements. Designed to help manage the test and measurement needs of researchers, designers, and manufacturing engineers, the MAP-200 offers a very broad portfolio of fiber optic power measurement and signal management tools using a highly configurable platform.
- **OCETS Plus:** OCETS Plus is an optical component test system engineered to meet the latest market requirements for optical component qualification testing. At the core of OCETS Plus is a pair of custom-grade JDSU single-channel Series programmable switches specified to higher levels of performance that represent an improvement over the capability of any in-house system that uses similar switches.
- **ONT platform:** The ONT platform is a multi-functional, multi-port and multi-user solution for fast and flexible testing of optical networks with modules for DWDM, SDH/SONET, 40/43G and Ethernet networks controlled via an easy-to-use user interface.
- **TestPoint:** TestPoint offers a flexible and cost-effective telecom and datacom test solution for production and service verification testing that provides Fibre Channel support up to 10 G, Ethernet support up to 10 GigE, and Transport protocol support up to 40 G (SONET/SDH) and 43 G (OTN).

#### Field Service

- **HST-3000:** The HST-3000 is a modular, hand-held test tool that scales to address a broad spectrum of different access network technology testing needs including triple-play.
- **DSAM-6000:** The DSAM is an all-in-one Triple-Play field meter for HFC networks, designed to grow with a technician's skill level. DSAM provides the most accurate industry measurements and exclusive features.
- **T-BERD/MTS-8000:** Combining multiple test capabilities with unprecedented levels of field modularity, the T-BERD/MTS-8000 is a scalable field platform for provisioning and maintaining short-haul, long-haul, FTTx, ROADM, metro, CWDM, transport, data and DWDM networks. Compatibility with more than 12,000 field-proven units deployed worldwide by every major telecommunications network operator enables easy migration to new network technologies while continuing to reduce expenses.


**DTS-200**

**SmartClass Handheld Field Tool**

**DA-3600**

**Validator NT**

**Fiber Inspection and Test Probe**

**NetComplete QT-600**

**NetOptimize**

- **T-BERD/MTS-6000:** The T-BERD/MTS-6000 is a compact and lightweight test platform designed for network installation and maintenance. It offers field service technicians the highest levels of performance and upgradeability. Modular and lightweight in design with over 40 different modules, the T-BERD/MTS-6000 offers an extensive portfolio of test functionality supporting a wide range of applications and an integrated solution for Ethernet, SONET/SDH, and higher-layer tests, including thorough testing of short-haul, long-haul, FTTx, CWDM, and high-speed 40G networks.
- **DTS:** The DTS is a digital video/broadcast test platform for analyzing digital video streams and quality of customer experience (tests MPEG-2, IPTV).
- **SmartClass Handheld Field Tools:** SmartClass handheld field test tools are designed specifically for field testing in the outside plant. They provide powerful yet economical test solutions for Ethernet, FTTx/PON, DWDM, CWDM, xDSL and E1 technologies. JDSU SmartClass tools have been designed to help bridge the gap between the demands of broadband triple-play service testing and the need to reduce capital and operational expenses.
- **DA-3x00:** One of the industry's most widely deployed IP network troubleshooting and data analysis platforms, historically known as the Cyclone family of analyzers.
- **Validator NT:** The Validator NT is an Ethernet speed certifier for network installers who need complete physical layer testing, speed certification, and reporting. This task-ready tool is part of the Network and Enterprise Test portfolio that includes telephone test sets, tone and probes, cabling and network testers, as well as Ethernet network management, fiber, copper/xDSL, and metro/business services Ethernet testers.
- **Fiber inspection and test:** The JDSU Westover line of microscopes and advanced cleaning systems provide unsurpassed inspection solutions for the fiber optic communications market. JDSU fiber inspection microscopes are used for the manufacture, installation and service of fiber optic cable assemblies and systems used in telecom, premise networking, outside plant, military aircraft and aerospace applications. JDSU is the primary supplier of fiber microscopes to most major fiber optic manufacturers and carriers worldwide.

#### Service Assurance Solutions

- **NetComplete QT Family of Testheads and Software agents:** Our portfolio of distributed testheads and software agents offers a broad range of functionality and targeted capabilities for xDSL and IP Ethernet.
- **NetAnalyst and NetOptimize (Active/Passive Performance Monitoring and Capacity Management):** NetAnalyst is the test management application software supporting centralized and automated testing of broadband IP services. NetOptimize can identify and report QoS degradations, proactively identify problems and provide capacity management information.

JDSU T&M also provides several strategic services. JDSU Global Service Solutions (GSS) offers instrument calibration and repair, extended product warranties, advance replacement and sparing, training, technical assistance centers (TAC), systems installation and commissioning, service level agreements, custom software for existing products and systems, network integration, and emerging managed services offerings. In addition, GSS provides Operational Support Systems (OSS) software applications for major accounts, professional service support for third-party products and consults on service provider network operations, introduction of advanced services, and complex network management.

JDSU T&M customers include:

Alcatel-Lucent, AT&T, British Telecom, China Telecom, Ciena, Cisco Systems, Comcast, Cox, Deutsche Telekom, France Telecom, Huawei Technologies, Nortel, Siemens, Telefonica, Time Warner, Verizon