Multicom, Inc., a manufacturer and full-line stocking distributor for end-to-end integration of video-data-voice solutions, is proud to introduce its Optical Transport Chassis (OTC) and OTC Modules line – a chassis and a wide range of fiber optic transmitter and receiver modules comprising a compact and unified optical transport system, ideally suited and flexibly configurable for use in RFOG, GPON, and FTTH and many other fiber optic-based data, video, and voice networks - including Broadband Stimulus and FCC National Broadband projects and applications.

This compact new product offering takes an entire rack of equipment and provides it all in a compact chassis. The OTC is a 4RU, 19” rack mountable chassis with 14 universal service slots. It includes a card cage, controller, redundant power supplies and cooling. The OTC is SNMP managed or can be operated from the front panel. It supports a wide variety of long-haul, HFC, RFOG, and PON-RF overlay applications.

Service modules for the OTC system are hot-swappable, single wide devices – modules can be placed in any slot in almost any combination. OTC modules are automatically configured for operation in seconds, making the Multicom OTC and OTC module architecture one of the most versatile and efficient fiber optic transport systems in the industry. The OTC Service Modules include:

**1310nm Transmitter Module** - Supporting HFC and video transport applications. Available with output power from +6dBm to +14dBm for use in long-haul or HFC applications. Up to fourteen 1310nm transmitter modules can be installed in one OTC shelf.

**1550nm Transmitter Module** - Supports the HFC, RFOG, PON overlay and long-haul applications. Available with +6dBm, +8dBm or +10dBm output power for use in either long distance transmission, or to serve multiple EDFAs in overlay/ RFOG applications. Up to fourteen 1550nm transmitter modules can be installed in one OTC shelf.

**EDFA Module** - A high performance low cost optical amplifier for 1550nm optical networks. It is available with total optical power from 19dBm to 22dBm with one or two optical outputs. Up to 28 optical distribution links can be served from a single OTC shelf.

**HFC Return Path Receiver Module** - A robust low cost return path receiver designed for HFC / DOCSIS3 networks. Each module contains two independent receivers. Up to 28 HFC return paths can be served from a single OTC shelf.

**RFOG Return Path Receiver Module** - Designed specifically for RFOG applications. Each module contains two independent receivers. Up to 28 RFOG return paths can be served from a single OTC shelf.

“For nearly 30 years Multicom has been involved in the manufacture and distribution of video-data-voice solutions and we have driven systems to become more compact, reliable, and user-friendly. With almost any combination of fiber optic transmitters, EDFAs, and return path receivers in an incredibly compact 4 RU chassis with 14 universal service slots; this flexible, scalable and manageable platform is another giant leap for compact efficiency for the FTTH industry. Multicom is proud to provide innovation, value, and quality - at unbeatable prices – now with our new OTC series of products,” said Raymond Shedden, Multicom’s Director of Sales and Marketing.

As a premier provider of design services, custom manufacturing, and full-line stocking distributor for the FTTH, CATV, and traffic signal industries, Multicom is continuing the expansion of its broad line of reliable, feature rich and value-priced fiber optic products to meet the demanding requirements of data, video, and voice networks.

For more information, call 1-800-423-2594, e-mail to multicom@multicominc.com or visit www.multicominc.com.

Carmanah Announces the EG40-80 Series

*Off-Grid Solar LED Lighting*

The EG40 and EG80 are ideal for… Streets and roadways, pathways, parks, perimeter lighting and many other general lighting applications.

New facilities where:
- Access to the electrical grid requires extensive trenching
- Grid connection is difficult or impossible
- Underground checks and / or permits are costly

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NEW PRODUCTS . . . Continued from page 49

Carmanah . . .

Existing facilities where:
• Access to the electrical grid requires extensive trenching or environmental disruption
• Disruption of site will result in loss of business
• Underground wiring / conduit is nearing end of life
• Copper theft and vandalism is a concern

The Carmanah Difference:
• Reduced project cost when compared to other solar LED lighting systems: a result of superior uniformity and lumen output
• Adaptive lighting allows user to determine how light is applied
• Pole-top integrated design for easy installation and theft prevention
• Recyclable battery & components
• Reliable, year-round performance

Capabilities:
• High-efficiency LED light fixture
• Adaptive lighting (dimming capabilities)
• Standard IES distributions (Type II, III, IV, V) and flood
• Principal roads, secondary residential roads and rural roads classification
• 3000K-5000K and 5000K-6000K colour temperature options

LED Fixtures
The EG40-80 series features a high performance LED fixture. With superior uniformity and light performance, Carmanah solar lighting systems illuminate a given area with fewer systems than other solar solutions, providing significant savings in overall project cost.

Adaptive Lighting
Adaptive lighting allows for different light levels during the course of the night, based on vehicle and pedestrian activity. A choice of operating profiles permits the light to be dimmed or turned off completely when facility usage is reduced.

By dimming or turning the system off when light is not needed energy is conserved and light levels during peak hours are maximized. This allows for brighter illumination, smaller system size and lower system cost.

Energy Management System
The Energy Management System (EMS) is a critical part of the EG40 and EG80 system. The EMS ensures bright, reliable light output and healthy, high-functioning lighting systems for years of autonomous operation.

The EMS provides:
• Efficient transfer & dynamic management of energy
• Flexible dimming functions
• Smaller sized systems with greater lumen output

For more information visit www.carmanah.com.

Photos of the Month

The Dallas Can Academy had just sold the boat and it was in transit to the lake which was only five miles away when the trailer either broke or came disconnected from the truck. The boat proceeded through the intersection and when the trailer came to a stop the boat didn’t. The five section was knocked off and both pedestrian pushbutton stations were completely demolished. Damage was approximately $1,500 for the signal. I am sure the boat was bought for more than that. The good news is the Dallas Can Academy will get paid regardless now.

Submitted by Brandon Callicoat, Traffic Signal Supervisor, City of Grand Prairie, Texas.

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