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Chassis Plans Starts Shipping 101 Configured Rugged Computers to Long Island Rail Road

Chassis Plans ships first delivery of 101 Long Island Rail Road COTS/Industrial 4U chassis computer systems to upgrade LIRR Audio/Visual Paging Systems.

/24-7PressRelease/ - SAN DIEGO, CA, August 20, 2007 - [Chassis Plans](#) announced today they have begun shipping the Long Island Rail Road Audio/Visual Paging Systems. The contract calls for over 100 systems.

The first deliveries of this modified [COTS/Industrial 4U Chassis](#) occurred 2 weeks after receipt of the contract from Long Island Rail Road. This period included engineering the modifications requested by LIRR.

The Cots/Industrial 4U Chassis is an innovative design providing for mounting a Long Life Industrial ATX motherboard, industrial power supply, internal hard drives and three 5-1/4" drive bays. The drives, including the externally accessible drives, are mounted on a fully shock isolated sub-carrier to protect the drives in the harsh environment found in the communication centers adjacent to the tracks these systems are mounted into.

Enhanced card retention tailored to the plug-in card configuration for this system assures the cards stay fully seated during all shock and vibration events.

The front door uses captive thumb screws and a key lock to firmly seat the door in the milled front panel for dirt exclusion and EMI control. An air filter in the door protects the system from the high dirt loads in the subway environment. Two high flow 80mm fans provide good system cooling as shown in thermal cycle testing.

Chassis Plans is providing a semi-custom 4U enclosure designed with shock isolation for an operating vibration specification of 5 to 500Hz at 1G and 10G of operational shock. The system has a 20-inch depth and a weight, integrated, of 33 pounds. Each system provides a 3.2GHz P4 with 2GB of Ram, an 8GB solid state hard drive, video card, digital I/O card, two isolated RS422 serial ports, Watch Dog Timer, as well as a high end audio processor for station paging and is configured with Windows XP.

About Long Island Rail Road

MTA Long Island Rail Road is the busiest commuter railroad in North America, carrying an average of 282,400 customers each weekday on 728 daily trains. Chartered on April 24, 1834, it is also the oldest railroad still operating under its original name. Throughout that time, the LIRR has been an essential component of the region's transportation infrastructure, leading to the development of the Long Island communities it serves and providing a gateway to the economic growth of the region. A subsidiary of New York State's Metropolitan Transportation Authority, the MTA Long Island Rail Road marked its 170th Anniversary in 2004.

The LIRR system is comprised of over 700 miles of track on 11 different branches, stretching from Montauk -- on the eastern tip of Long Island -- to the refurbished Penn Station in the heart of Manhattan, approximately 120 miles away. Along the way, the LIRR serves 124 stations in Nassau, Suffolk, Queens, Brooklyn and Manhattan, providing service for some 81 million customers each year, taking them to and from jobs, homes, schools, sporting events, concerts, beaches, Broadway shows, and the multitude of other attractions around the New York metropolitan region.

[Chassis Plans](#) is a recognized leader in manufacturing fully configured turn-key rackmount solutions for the industrial, rugged, and military markets. They manufacture 1U to 6U ATX and Single Board Computer systems tailored exactly to customer application requirements. They also manufacture a full line of rack mount and panel mount LCD displays and keyboard drawers.

Chassis Plans specializes in long-life product support offering unmatched in-house custom enclosure design, long-life industrial motherboards and SBC's with strict revision control and material obsolescence management for trouble free

program deployment. Chassis Plans' Systems are Engineered to Perform. All Chassis Plans products are backed by a full two-year warranty and Chassis Plans' engineer oriented technical support.

For more information about this application, or any Chassis Plans system, motherboard, SBC or backplane product, call (858) 571-4330. You can also visit their website at www.chassis-plans.com or e-mail them at saleseng@chassisplans.com.