MX3208 and MX3216
TDM/ATM/IP Broadband Wireless Backhaul Solutions
Today's wireless carriers need highly reliable, cost-effective solutions to deliver services in a constantly changing environment. ADTRAN® offers innovative, economical solutions that provide increased operational efficiencies while preparing networks for next-generation services. ADTRAN's MX3208 and MX3216 have been developed specifically to address these needs by providing the ability to aggregate a variety of services from TDM to ATM to IP in a single platform.

The MX3 Series At-a-Glance

- Drop-and-continue multiplexing for TDM (T1/DS3 and Ethernet); future growth, ATM and IP/MPLS functionality
- Grow-as-you-go IP connectivity
- Flexible, modular platform accommodates current network requirements and is scalable for future growth
- Efficient mobile backhaul
- Extended temperature range -40ºC to 70ºC
- +24 or -48 VDC power

Drop-and-Insert Multiplexing

These drop-and-continue multiplexers deliver DS1s directly to service locations along the DS3 microwave route.

- Modularity allows 1 to 16 DS1s to be dropped at any single site
- Integrated terminal server allows other devices to be remotely managed

Grow-As-You-Go IP Connectivity

The MX3 Series is designed with emerging wireless needs in mind giving wireless providers a better path to Voice over IP and IP data traffic.

- Provide a full T1 of bandwidth for data/Ethernet connectivity
- Migration path for the introduction of EV-DO, HSDPA, and WiMax services
- LAN connectivity at any site

Minimizing the Cost of Cellular Transport

Reduced space, multiple powering options with modular, expandable architectures; and lower life cycle costs are just some of the benefits that wireless carriers have come to expect from ADTRAN products.

- Provides grow-as-you-go modularity
- Eliminates the need for back-to-back M13 multiplexers

For more than 20 years ADTRAN has successfully provided network access solutions optimizing cost, performance, and business success. ADTRAN's award-winning customer service and technologically advanced products are perfectly suited for wireless carrier networks from the MSC/MTSO to hub and cell sites.
ADTRAN’s wireless solutions enable service delivery for current and future network requirements including TDM, ATM, Ethernet, and IP/MPLS. ADTRAN service delivery options for wireless access are cost-effective, manageable, and reliable. ADTRAN understands the challenges that impact delivery of services to cell sites and the demand for new applications by customers. These solutions meet this demand and reduce subscriber churn by delivering advanced services while reducing overall equipment costs.

**Flexibility to Support Your Evolving Network Needs from TDM to ATM to IP**

When combined with any DS3 microwave radio, such as ADTRAN’s TRACER 4205, from any location along the DS3 path, the MX3208 and MX3216 offer an end-to-end wireless solution that will:

- manage any element
- support TDM voice services e.g. GSM, TDMA, CDMA
- support IP data services e.g. EV-DO, HSDPA, WiMax

For more information about ADTRAN’s MX3208 and MX3216, visit [www.adtran.com/mx3208](http://www.adtran.com/mx3208)

**Evolve and Grow Your Wireless Network with ADTRAN**

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