DS3 NIU with PM

NIU3 with Performance Monitoring

**Product Features**

- Test access demarcation point
- Replaceable cut-through relays for local power failure
- Midsize monitor jacks for customer and network data monitoring
- Remote and local loopback initiation (pushbutton)
- Loss of signal detection and notification
- DB-9 craft interface
- DS3 C-bit and M13 framed or unframed (auto detect)
- Loopback in response to FEAC and in-band M13 codes
- Multiple BERT pattern generators
- Temperature hardened
- Industry-leading 10-year warranty

As the bandwidth demand for traditional business voice, data, and video wide area networks increases, a growing number of customers are selecting DS3 as their communication workhorse. This explosion of DS3 has left a void in the network for providing customers with the quick, reliable diagnostics that they expect from traditional T1 service. With a dispatch, DSX-3 cross-connect panels may provide sufficient, but limited, DS3 test capability. The ADTRAN® NIU3 solution helps fill the DS3 void, while providing traditional DS3 test access.

The NIU3 responds to DS3 loopback codes, allowing full diagnostics and loopback test capability to the customer premises, thus removing doubt about customer premises wiring. With NIU3, customers can test DS3s from centralized sites, where other services are tested. The NIU3 eliminates costly dispatches to the customer premises to troubleshoot faulty wiring or misprovisioned DS3 equipment.

Additionally, the NIU3 with PM, provides performance monitoring and event history through a DB-9 RS-232 craft interface. Performance and status information reports via DS3 network performance report messaging (NPRM) and performance history displays for intervals of 15 or 60 minutes, 24 hours, and 30 days. And midsized flush mounted jacks allow for nonintrusive monitoring in both the network and customer directions.

With the ADTRAN NIU3, service providers now have the solution they need to enhance DS3 service delivery and lower DS3 maintenance costs.
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Product Specifications

**Mechanical**

- **Dimensions**
  - NIU3: 5.6 in. H x 1.2 in. W x 5.5 in. D (T400 size)
  - Standalone housing: 2 in. H x 6 in. W x 10.4 in. D
  - 3-slot housing: 1.75 in. H x 17.5 in. W x 7.0 in. D
  - 12-slot housing: 7 in. H (4RU tall) x 17.5 in. W x 9.8 in. D

- **Capacity**
  - Standalone housing: One NIU3
  - 3-slot housing: 3 NIU3s
  - 12-slot housing: 12 NIU3s

**Connections**

- **Standalone Housing**
  - BNC transmit/receive jacks for each card
  - Dual –48 VDC or –24 VDC power feeds
  - AC adapter module

- **3-Slot Housing**
  - BNC transmit/receive jacks for each card
  - Dual –48 VDC or –24 VDC power feeds
  - Alarm relay terminal block

- **12-Slot Housing**
  - BNC transmit/receive jacks for each card
  - Dual –48 VDC or –24 VDC power feeds
  - Alarm relay terminal block

**Electrical**

- –48 VDC, –24 VDC
- 4 W maximum

**Regulatory Standards**

- NEBS Level 3
- GR-1089-CORE, Issue 3
- GR-63-CORE, Issue 2
- NRTL Safety Listed

**Environmental**

- **Operating temperature:** –40°C to +70°C
- **Humidity:** Per GR-63-CORE, Issue 2

**Ordering Information**

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<th>Equipment</th>
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