

Digital Network Interface Device (DNID) for T1 Service

I do not recommend the Larus LA103 and LA403 DNIDs due to the large number of field problems (unreliable loopback, incompatibility with B8ZS line code, susceptibility to installation wiring errors, poor long-term performance, and difficulty setting correct options). The LA103 is a standalone unit with its own proprietary enclosure while the LA403 mounts in a standard 400-mechanics shelf or enclosure.

I recommend the Larus units be replaced at the next field visit or whenever the customer reports problems. When replacing these units, install a 2-slot enclosure designed for 200/400-mechanics cards, which allows installation of two 200-mechanics cards or one 400-mechanics card.

DNID (T1 NIU) – 200-mechanics cards:

The DNIDs listed below have been found to perform well in the field and are easy to install:

- ❑ Westell p/n A90-3115-10 (this is the type I have in my lab and it includes performance monitoring, which is great when you're trying to track down illusive span line problems)
- ❑ Westell p/n A90-3125-52 (this is a plain DNID)
- ❑ Teltrend DNI5705LG Iss. 2 (I also have this in my lab - it is a very good DNID but not made anymore. However, you can find them on the used market)

Enclosures (2-slot, T200 mechanics):

The enclosures listed below will accept two 200-mechanics or one 400-mechanics DNID card (I prefer the Adtran enclosure):

- ❑ Adtran p/n 1245034L1 (conventional 2-slot unit with field-changeable RJ48C and RJ48X jacks)
- ❑ Westell p/n DSAWM-202LCD (conventional 2-slot unit with RJ48C jacks)
- ❑ Westell p/n DSAWM-202LBD (conventional 2-slot unit, same as LCD except includes RJ48X jacks)
- ❑ Westell p/n B90-31MA201 (there actually are several versions but this model probably is the one that will find the most use. Note: All models use either wirewrap or RJ48C on the customer side, none have screw terminals on customer side)

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