Supports

Chipset: Alcatel Microelectronics

SPECIFICATIONS

ATU-R Function

Modem Status Measurements
Link turn-up and live results
Fastpath rate: Upstream and Downstream
Interleaved bit rate: Upstream and Downstream
Maximum bit rate: Upstream and Downstream
Relative Capacity: Upstream and Downstream
Noise Margin: Upstream and Downstream
Attenuation: Upstream and Downstream
Output Power: Upstream and Downstream
Alarm Status: Current and history results for Loss of Signal, Loss of Frame, Loss of Power, Loss of Cell Delineation Interleaved, Loss of Cell Delineation Fast, Loss of Margin
Link Measurements: Separate results for ATU-C/ATU-R and Interleaved/Fast FEC, CRC, and HEC measurements; block error rate, ES, SES, and UAS
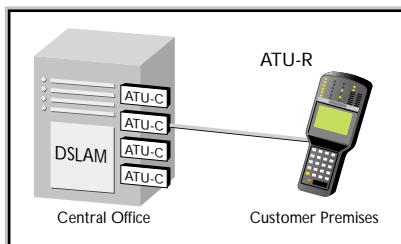Bits per Tone: Graphical and tabular display
PING Test
Protocols Supported
– RFC 1483: LLC-bridged (static & dynamic [DHCP]) and LLC-routed
– RFC 2364: PPP over ATM
– RFC 2516: PPP over Ethernet

ATU-R Mode

• One-button turn-up test to sync with ATU-C/DSLAM
• Read modem status measurements, including current and max rate, noise margin for upstream and downstream
• Alarm and link measurements
• PING test
• Supports ANSI T1.413 Issue 2, ITU-T G.992.1 (G.DMT), and ITU-T G.992.2 (G.lite) modes

DSLAM — ATU-C (x4) — Central Office — Customer Premises — ATU-R

Connectors

Line Interface: RJ45 @ 100Ω

General

Module Size: 12.6 cm (W) x 9 cm (L) x 2.2 cm (H) [5.0" x 3.5" x 0.9"]
Operating Temperature: 0°C to 50°C [32°F to 122°F]
Storage Temperature: -20°C to 70°C [-4°F to 158°F]
Humidity: 5% to 85% noncondensing

The ATU-R Module is part of a family of Plug-In Modules for the SunSet xDSL Modular test set

ORDERING INFORMATION

SSxDSL-3   Alcatel ADSL ATU-R Module
CLEI: VATSDGABAA
CPR: 774236
SWxDSL-3A   PING Package for SSxDSL-3
ICMP PING with ATM encapsulation to verify end-to-end provisioning. Requires Alcatel ATU-R Modem (SSxDSL-3)

Recommended Cables

SS161   Cable, RJ-45 (m) to 3 Probe Clips, 2 m
SS162   Cross Cable, RJ-45 (m) 8-pin Modular Plug to RJ-14 6-pin Modular Plug, 2 m. Used for SunSet to Alcatel splitter's 6-position modem jack. (North America)
SS167   Cable, RJ-45 (m) to RJ-45 (m), 2 m with Ferrite Filter
SS168   Cable, RJ-45 (m) to RJ-11 (m), 2 m with Ferrite Filter