

Adtran

Adtran Switch Engine (ASE)

7.10 Release Notes

Release Notes

6AMCRNR710-40A

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To the Holder of this Document

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1. Introduction

ASE version 7.10 is an initial system release that supports new features and addresses internal code issues that were uncovered in previous non-released code versions for the industrial Adtran Switch Engine (ASE) switches.

This release is generally available code. Results obtained during internal testing have been evaluated and the code has been determined to be ready for general availability. Caveats discovered during testing but not addressed in this build are listed in "Errata" on page 6.

Configuration guides, white papers, data sheets, and other documentation can be found on Adtran's Support Forum, <https://supportforums.adtran.com>. The contents of these release notes will focus on the platforms listed in "Supported Platforms" on page 4. A

2. Supported Platforms

Table 1 lists the platforms that are supported in ASE version 7.10.

Table 1. Supported Platforms

Platform	Part Number
NetVanta 1561i-04	17111561F1

3. Features and Enhancements

General Features in ASE 7.10

This section highlights the major features supported by all products running ASE version 7.10.

- The following virtual local area network (VLAN) protocols:
 - 802.1q VLAN (up to 4000 VLANs)
 - Q-in-Q VLAN
 - MAC-based VLAN
- LLDP/LLDP-MED
- 802.3ad LACP and static LAG
- ITU G.8031 ELPS
- ITU G.8032 ERPS
- The following Spanning Tree Protocols:
 - 802.1d STP
 - 802.1w RSTP
 - 802.1s MSTP

- The following port and IP protection services:
 - Loop protection
 - Protected port
 - Port Security
 - Storm Control
 - IP Source Guard
- 802.1x port authentication
- Access control list (ACL) support for remote access restriction, along with ACL filtering and ACL matching (for Quality of Service (QoS) mapping)
- IGMP snooping (v1/v2/v3)
- MLD snooping (v1/v2)
- IGMP Proxy/Querier
- DHCP support, including DHCP snooping, DHCP relay, and DHCP Option 82 support
- Software-based L3 static routing (IPv4 and IPv6)
- Up to 8 QoS queues
- 802.1p marking, matching, and remapping
- DSCP marking, matching, and remapping
- Per-port and per-queue traffic policing and shaping
- Traffic rate limiting
- IEEE 1588v2P2P
- NTP Client support
- SSH CLI administration and HTTPS GUI administration
- SNMP (v1/v2/v3)
- RADIUS and TACACS+ authentication, authorization, and accounting (AAA)
- Strict priority and round-robin scheduling
- Port mirroring
- Remote monitoring (RMON)

4. Fixes

General Bug Fixes in ASE 7.10

There were no major bug fixes for any products running ASE version 7.10.

5. Errata

General Errata in ASE 7.10

The following is a list of errata that still exist in all products running ASE version 7.10.

- BSW-161 Adtran continues to troubleshoot a low frequency of intermittent interoperability issues between the SFP ONT (P/N 1442535F2) and the NetVanta 1561i-04 switch.

6. Warranty and Contact Information

Warranty information can be found online by visiting www.adtran.com/warranty-terms.

To contact Adtran, choose one of the following methods:

Department	Contact Information	
Customer Care	From within the U.S.:	(888) 4ADTRAN ((888)-423-8726)
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