Honeywell Process Solutions

Experion R431

ETN Quick Start Guide

EPDOC-X329-en-431

Honeywell

Notices

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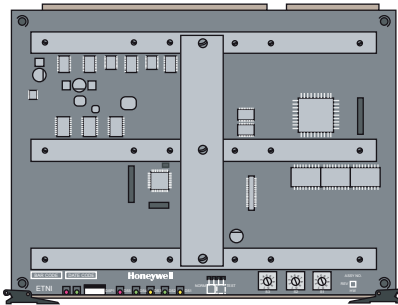ALL RIGHTS RESERVED

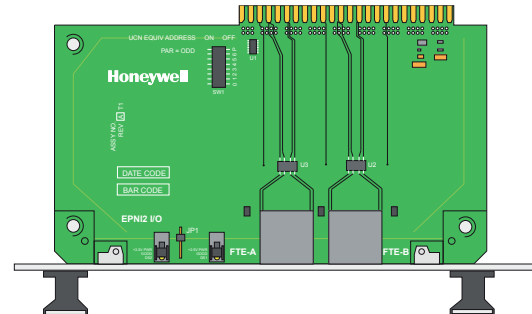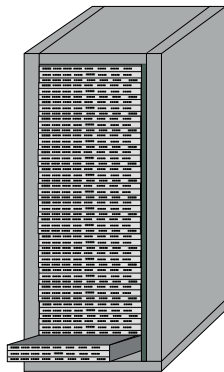# Hardware components

ETN

Cisco IE 2960

Note: Cisco 2960 switch or later is supported for ETN. Cisco 2950 switch can also be used, but it does not support the Quality of Service (QoS) setting required for ETN.
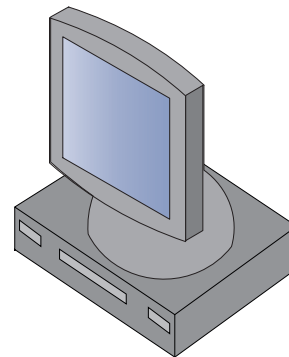

ETNI

EPNI2 I/O

RACK MOUNTED VM SERVER (Virtual ETN)
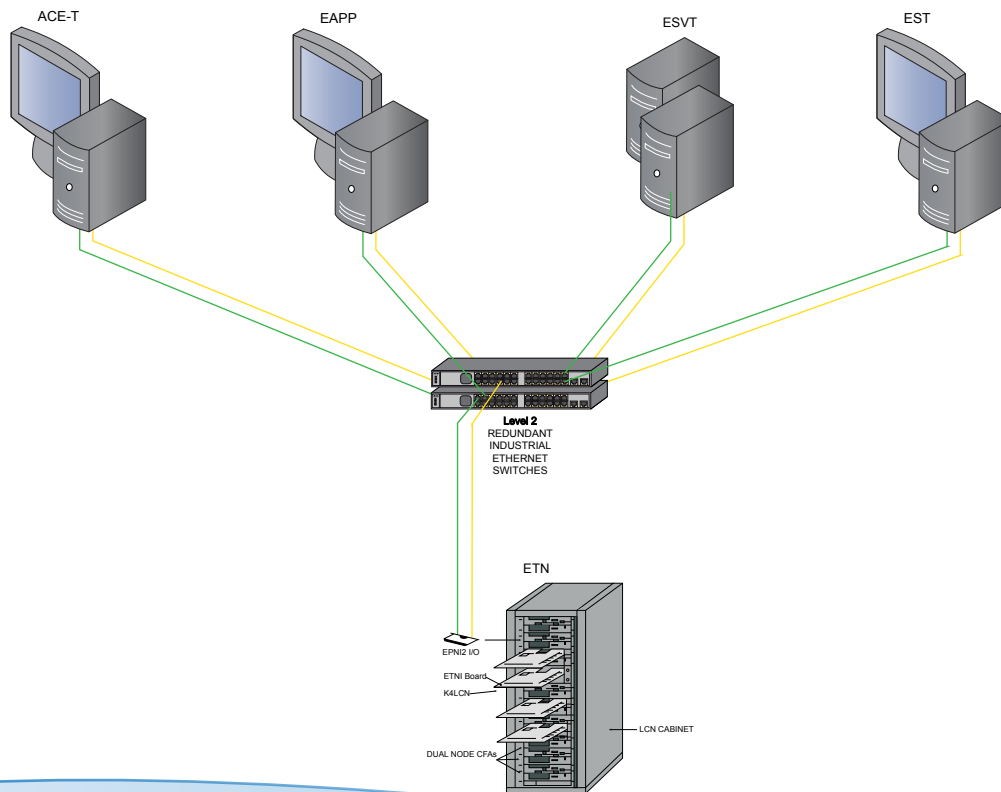

THIN CLIENT (Virtual ETN)

Software media

Media name	Media description	Media type	Contents
Experion PKS System Initialization media	Experion system initialization	DVD	Includes driver, BIOS and other system software required for the Experion-supported Windows operating system and hardware platforms.
Experion PKS System Initialization Updates media	Experion system initialization updates	DVD	Includes latest initialization media software updates.
Experion PKS Installation media	Experion system software installation	DVD	Includes following ETN components: • TPS Emulators Software • ETNI Firmware • CTOOLS
Experion PKS Support Software media	Experion system software installation updates	DVD	Includes critical PAR fixes released after the release candidate media.
TPN R685.3 GUS/APP Personality media	TPN GUS/APP personality	CD	Includes the TPN Personality software for TPS GUS/APP.
Experion R431.1 PDF Collection media	Experion System Documentation Software Change Notice	DVD	Includes user documents and software change notices updated for ETN in PDF format.
TPN R685.3/TPS R421.3 and CRM PDF Collection media	Product Documentation and Customer Resource Manual	DVD	Includes documents updated for ETN in PDF format.
TPN R685.3-R421.3 SCN Collection media	Software Change Notice	CD	Includes documents updated for ETN in PDF format.

Physical or Virtual ETN

Beginning with Experion R431.1 and TPN R685.3, you can migrate AxM/APP/-GUS/US/UxS/T-Node (ES-T/ESVT/ACE-T/EAPP) to ETN.

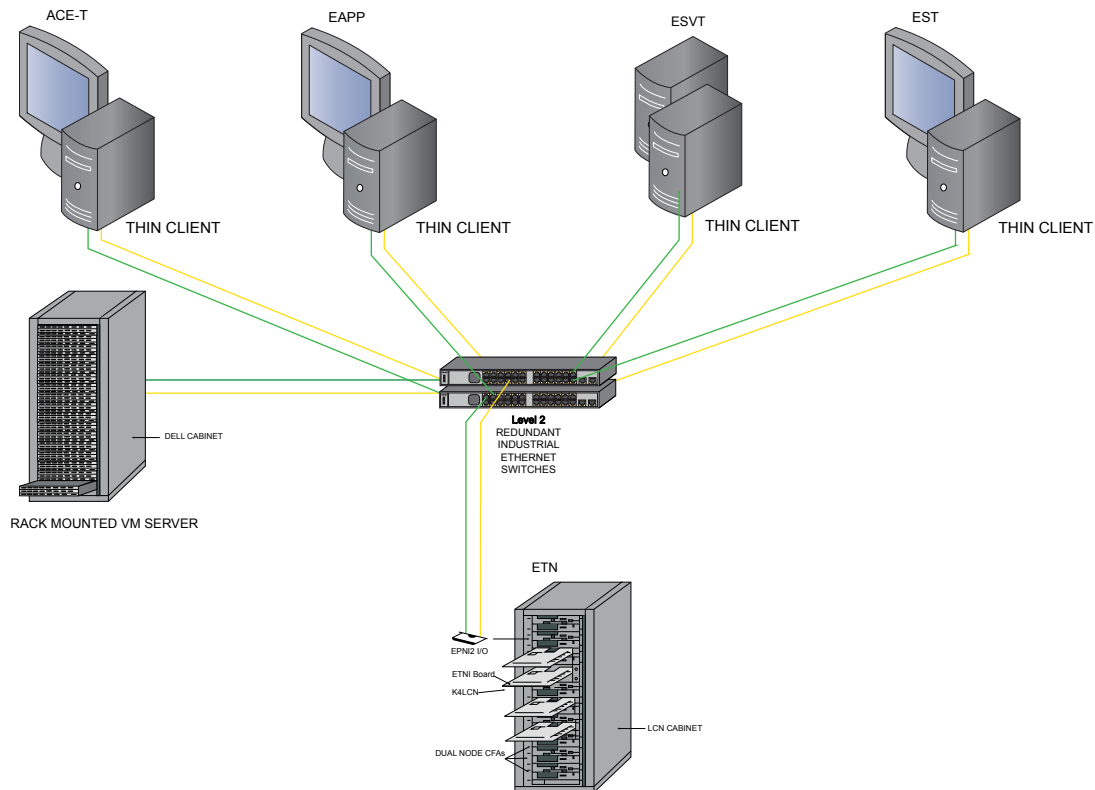Depending on your requirement, you can either upgrade to physical ETN or virtual ETN.

• **Physical ETN:** Comprises of a physical server/workstation that connects to the K4LCN-ETNI processor boards through the FTE.

ACE-T   EAPP   ESVT   EST

Level 2
REDUNDANT
INDUSTRIAL
ETHERNET
SWITCHES

ETN

EPNI2 I/O

ETNI Board

K4LCN

LCN CABINET

DUAL NODE CFAs

Physical or Virtual ETN

• **Virtual ETN:** Comprises of a virtual machine on a server that connects to the K4LCN-ETNI processor boards through the FTE. Thin clients are used to provide user interaction with virtual machines.

Note: Thin client does not support USB printers, instead, you may have to use a network printer.
Thin client does not support USB card readers.

Prerequisites

Before you migrate from A^{x}M/US/U^{x}S/T-Node to ETN, ensure that you have per-fomed the following:

• ETN space requirements has been considered

• Experion R431.1 is installed on your system

• TPN R685.3 is installed on your system

AˣM/APP/GUS/US/UˣS/T-Node to ETN migration

Step	Task	Reference	Notes
1	Plan for migration/upgrade from AˣM/US/UˣS/T-Node to ETN.	ETN Upgrade Kit Instructions (51195195-402)	
2	Ensure that the system meets the minimum software version requirements related to Experion R431.1 and TPN R685.3.	Customer Release Guide (CRG-685)	
3	If you are migrating to virtual ETN, install & configure the Virtual Machine host and then configure/create Virtual Machines in the server.	Virtualization Planning and Implementation Guide (EPDOC-X147-en-431A)	**Note:** You can follow Experion virtualization sizing guidelines.
4	Take a backup of data for the node(s) being migrated to ETN.	Customer Release Guide (CRG-685)	
5	Shutdown the node that you want to migrate.	Customer Release Guide (CRG-685)	
6	Upgrade the node to ETN.	ETN Upgrade Kit Instructions (51195195-402)	
7	Install 2960 or later FTE switch.	Fault Tolerant Ethernet Overview and Implementation Guide (EPDOC-XX-37-en-431A)	
8	Configure 2960 or later FTE switch.		
9	Route the FTE cables from FTE Switches to AˣM/US/UˣS/T-Node.	ETN Upgrade Kit Instructions (51195195-402)	
10	Upgrade the firmware on the ETNI board.	Control Hardware and I/O Modules Firmware Upgrade Guide (EPDOC-X150-en-431A)	

Support and other contacts

For support, contact your local Honeywell Process Solutions Customer Contact Center (CCC). To find your local CCC visit the website, https://www.honeywell-process.com/en-US/contact-us/customer-support-contacts/Pages/default.aspx.