

# ESBT

## Optica's Bus/Tag Interface Module for Prizm

## Product Overview

The ESBT is a native ESCON (CNC) to bus/tag converter that serves as a bus/tag interface feature for Optica's Prizm FICON to ESCON converter solution. The ESBT module provides connectivity for most B/T device types to FICON channels via Prizm. There is not a field upgrade path from Optica's FXBT ESCON (CVC) to bus/tag converter to an ESBT ESCON (CNC) to bus/tag converter because the products support distinctly different protocols and therefore the hardware and microcode are unique to their functions.

## Summary of Features and Function

- ESBT can be sold only in combination with Prizm (FICON to B/T Conversion), NOT as a stand-alone ESCON to B/T converter. Optica's 34600 FXBT and IBM's 9034 serve the function for stand-alone ESCON (CVC CHPID type) to B/T conversion.
- The ESBT will support connectivity to nearly every bus/tag printer, tape, and communications device that is still in use today. Bus/Tag devices that are not supported by ESBT are DASD and any device running in BYTE mode. Note: BYTE mode bus/tag devices are identifiable in the mainframe I/O definitions because they must be configured on ESCON CHPID Type "CBY".
- The ESBT cannot be sold as a firmware update to an existing FXBT or NSBT converter as the ESBT microcode will not function on the FXBT or NSBT hardware platforms.

## Supported ESBT Features and Function

- Daisy-chaining is a supported feature for specific device types only. Please check with Optica Technical Services to inquire about daisy-chain support for specific device types.
- The maximum data block size is 65,535 bytes for Prizm-ESBT applications.

## Non-Supported ESBT Features and Function (ESBT will *not* support)

- Dynamic switching via ESCON directors (*dedicated/static path only*)
- BYTE mode devices (*Note: BYTE mode bus/tag devices are always configured on a CBY ESCON CHPID type*)
- DASD attachment for Prizm-ESBT applications
- ESBT can only be used by 1 LPAR at a time (*This is an existing B/T device restriction, not an ESBT restriction*)

The Optica 34700 ESBT will support attachment of almost any existing bus/tag device with the exception of DASD and BYTE mode devices. Please contact Optica Technical Services with any general and/or device support questions at [TechSupport@opticatech.com](mailto:TechSupport@opticatech.com)



**Optica Model:** 34700 ESBT

**Description:** ESBT Bus/Tag Interface Module for Prizm

**Dimensions:** 1.97" H x 7.516" W x 11.97" L

**Shipping Weight:** 8.2 lb. (3.72 Kilograms)

**Mounting:** Under floor or shelf/tabletop. Optional 8 position ESBT shelf available

**Power Consumption:**  
0.192 Amps @ 95 V A/C (19.0 W)  
0.150 Amps @ 134 V A/C (19.8 W)

**Power Connector:** Single IEC 320 Standard

**Ethernet Connector:** RJ-45

**ESCON Connector:**  
MTRJ @ 50 or 62.5 Micron -OR-  
ESCON Duplex @ 50 or 62.5 Micron

**Parallel / Bus & Tag Connector:**  
Optica proprietary Bus/Tag "Y" Cable (which interfaces to two standard Serpentine 48 pin connectors)

