

Overview

The VILINK ES17 is a 10/100M Ethernet port and an internal RS-232 Data port plug-in module of the 170 traffic signal controller. It is designed to work with industrial 10/100M Ethernet switches for linking multiple remote 170 Controllers (slave units) from various Traffic Intersections to the main 170 controller (master unit) at the Traffic Operation Center.

The ES17 can operate in harsh environment with wide range temperature and compliant to the intelligent traffic system standard NEMA specifications. The RS-232 internal data port connected to the 170 controller is capable of transmitting broadcast data through the network with data speed from 75 Bps up to 38.4 Kbps.

Applications specific for ITS Intelligent Traffic System or anything network with 170 Traffic Controller units.

Features

- 170 Controller Internal Module
- 170 Controller RS-232 Data
- Asynchronous Data Speed Up To 38.4 Kbps
- Broadcasting Transmission
- Self-Healing Data Transmission Operation

Applications

- ITS Traffic Applications
- SCADA Networks
- Data Acquisition Applications

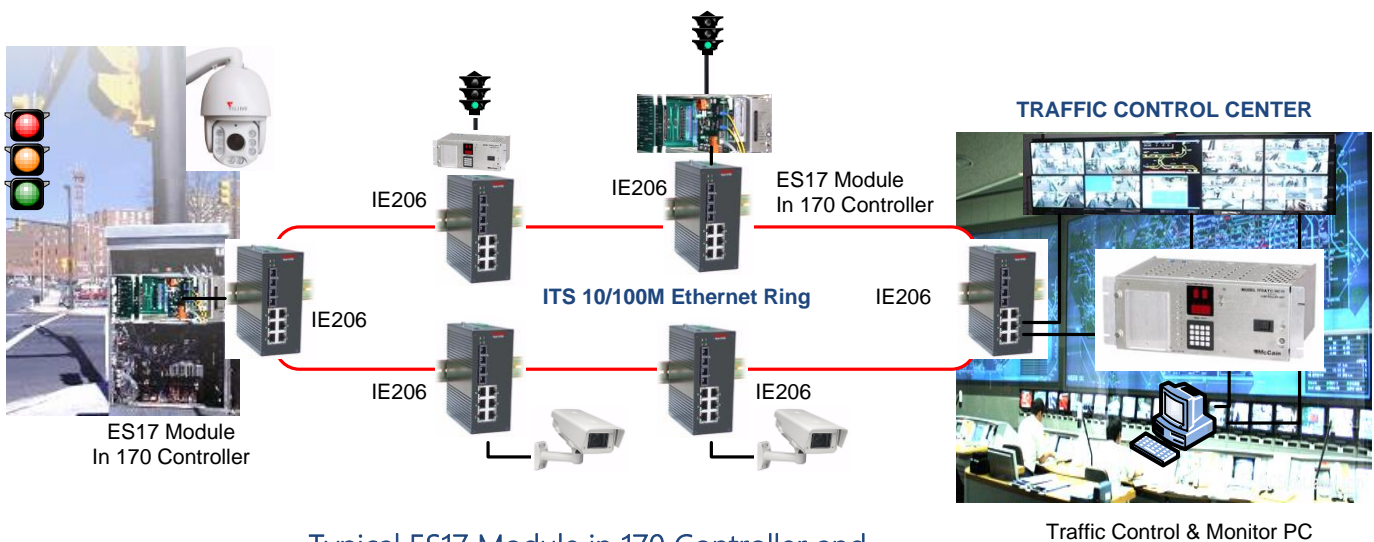
Ordering Information

Model	Descriptions
ES17ST03	10/100M Ethernet Module, 170 Controller with internal RS-232 Data Port <small>*** Please Consult Factory for Additional Model Numbers***</small>

System:	
Error Rate	1 in 10 ¹² or Better
Ports	10/100M TX
Data	RS-232 Internal Port
Environment:	
Operating	-34 ⁰ C to +74 ⁰ C
Storage	-40 ⁰ C to + 95 ⁰ C
Humidity	98% Non-Condensing
Physical:	
Dimension	9.5" x 6.5" x 1"
Power	Internal +5 VDC @1 Amp

Internal Data Port:	
Interface	EIA-RS-232
Data Rate	75 bps to 38.4 Kbps
Default Set Up	9.6 Kbps
Mode	Slave, Master, Sub-Master
Redundant	Self-Healing
Ethernet Interface:	
Standard	IEEE 802.3, TIA/EIA 785
Data	10/100M
UTP	Auto Crossover, Straight
Mode	Half/Full Duplex

Application



Typical ES17 Module in 170 Controller and Industrial Ethernet Switch Application