

Product Description: Toll Information Point (TIP) with Traffic Light

FORTH (Toll Information Point) is an IP 65 rugged unit designed to be installed and operated at the toll lane.

Basic Features

- LED Dot matrix (Super bright for outdoor use)

Traffic Light features:

- Colours of Traffic Light : Red and Green
- Ø: 100mm

TIP features:

- Colours of TIP: Amber and Green
- Character height: 10 cm
- Green line with 7 Digits
- Amber line with 12 characters THAIs
- Character set for text configurable (Thai, English)
- Serial RS232 or RS485 interface with lane controller

Cabinet :

- Stainless steel 2mm.
- IP 65
- Outdoor Colour Polyester Powder Paint

Description

FORTH Toll Information Point consists of an LED dot matrix display mounted into a rugged powder coated stainless steel cabinet. The cabinet has been designed to protect the LED display against severe environmental roadside conditions and can be delivered with protective paint or black polyester powder coating.

The design ensures a high Mean Time Between Failure (MTBF), and provides reliable and cost effective operation of the tolling system.

The characters are displayed as a dot matrix of Super-Bright LED's, providing high visibility under adverse weather and light conditions. The front screen is made from polycarbonate, which ensures long-term durability and good optical transmission.

For electronic toll collection systems, additional data fields for tag / card balance can be included in the design.



Fig. 1 User Fare Display (Toll Information Point), Typical configuration for Manual Toll Collection

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Technical Specifications

Electrical / Optical Characteristics

Input voltage:	240 VAC, 50Hz
Power consumption:	150 W
LED colour for TIP:	Amber and Green
LED colour for Traffic Light:	Green and Red (Super bright for outdoor environment)
Element:	8 x 6 dot matrix LED
Interface:	RS-232 or RS-422

Physical Characteristics

Display area:	2 lines with 12 characters with Amber line and 7 Digits with Green line
Character Height:	10 cm
Weight:	60 kg

Environmental Characteristics:

Housing protection rating	IP65
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Operating Conditions:

Temperature:	-20° C to 70° C
Relative Humidity:	5 to 99% RH non-condensing
Impact:	150m/s, 6ms
MTBF:	> 35.000 hours

Manufactured under stringent control in an ISO 9001 Certified Production line
by

Genius Traffic System Co., Ltd.

77 Moo 11 Phuttamonthon 5 Rd.,

RaiKhing, Sampran, Nakhornpathom

73210 Thailand

Telephone +66 2 615 2440, Fax +66 2615 2441

URL: www.gets.co.th