

## **North America Electronic Toll Collection (Etc) Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 90 pages | Mordor Intelligence

### **AVAILABLE LICENSES:**

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

### **Report description:**

The North America Electronic Toll Collection was valued at USD 3.30 Billion in 2021 and is expected to grow up to USD 5.40 Billion by 2027, registering a CAGR of over 8% during the forecast period (2022-2027).

The COVID-19 pandemic has severely impacted several industries across the world, causing an economic slowdown. Many industries took a hit due to countries imposing lockdowns and restrictions to stop the spread of the virus. As economies are recovering slowly, it is expected that the market will grow during the forecast period, 2022-2027.

Factors like the rising number of government initiatives to achieve congestion-free transportation, growing investments in road infrastructure, rapidly increasing vehicle demand and production in the North American region, and adoption of the latest technological solutions, including GPS and GNSS toll collection and tracking solutions, are expected to drive the market forward.

Toll roads provide an alternative method of financing transportation construction costs. Toll facilities include toll roads, tunnels, and bridges. The toll is traditionally due when people pass a collection point in the form of a plaza or a booth in the case of an open road facility (ORT). In the last few years, advancements in technology have been redefining toll collection systems in the North American region.

The demand for electronic toll collection is growing significantly, as it majorly helps reduce traffic at tollbooths by collecting tolls without cash and without requiring the vehicles to stop. Also, various state governments are planning to open new toll roads due to scarcity of funds in the transportation sector and stagnant gasoline tax rates. Most toll facilities in the United States today use an electronic toll collection system as an alternative to paying cash. Many states have implemented open road tolling, which eliminates the need to stop at toll booths.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

The continuously growing toll collection technology is helping to automate the toll collection process and avoid long queues at toll booths. Additionally, these technologies not only aid in vehicle theft detection, but they can also track the vehicles crossing the signal and over-speeding vehicles. The trend of shifting from barrier-based ETC to open road tolling (ORT) or fee flow tolling has been gradually growing in the road tolling industry, especially in states facing high traffic congestion at toll roads.

## North America Electronic Toll Collection Market Trends

### Technological Advancement of Electronic Toll Collection Systems

The traffic congestion at toll plazas has been increasing with respect to vehicle sales every year. An increase in people's preference to use their own vehicle over public transport is also the reason behind traffic at tolls. An increasing number of vehicles on the roads results in many problems, such as congestion, air pollution, and fuel wastage. Owing to the above reasons, governments have transitioned toward electronic toll collection. In the United States, due to advancements in communication technology and contactless payment platforms, this phenomenon has been clearly evident over the years. Now, this process is being implemented in other countries in the North American region.

Apart from ensuring funds for expansion and maintenance of roads and highways, collection of tolls, especially by the electronic method, offers numerous benefits, such as:

Limited or no traffic congestion

Fuel efficiency of vehicles and reduction in exhaust emissions by reducing or eliminating deceleration, acceleration, and waiting time

Vehicle theft detection

Tracking over-speeding vehicles and vehicles crossing the signal

In the United States, EZ pass tags have become widely accepted across 17 states. EZ pass tags made by Kapsch TrafficCom are facilitating open road tolling. According to the company, more than 35 million EZ pass devices are in circulation across the country. Sunpass and FasTrack are some other types of toll tags that do not accept EZ passes across various tolls in states like Florida.

### The United States Led the Electronic Toll Collection Market

The electronic toll collection market in the United States is expected to grow at a faster pace as various state governments are planning to open new toll roads and highways due to scarcity in funds from the transportation sector and stagnant gasoline tax rates. For instance:

In June 2021, President Biden's infrastructure plan, which would cost about USD 2 trillion, included USD 50 billion in funds to improve 20,000 miles of streets and highways. The plan proposes a similar approach for 10,000 bridges, backed by USD 40 billion. If implemented, the plan could bring new toll roads and highways across the country.

In 2020, the Florida Legislature conceived a program to create three new toll roads totaling 330 miles across Florida's hinterlands, the largest toll-road project in the country.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Canada is also planning to upgrade its hardware and software systems in the existing toll facilities. For instance, in 2020, the Transportation Ministry of Canada introduced the Alberta bill that would enable the use of tolls to finance new bridge and road projects. Further, the Financing Alberta's Strategic Transportation (FAST) Act would allow the government to use tolls to finance new roads and bridges.

#### North America Electronic Toll Collection Market Competitor Analysis

The North America electronic toll collection market is led by a few major players such as Kapsch Group, Thales Group, Toshiba Corporation, TransCore, Siemens, TRMI Systems Integration, Magnetic AutoControl, etc.

The companies are launching more advanced products to have the edge over market competitors. For instance:

In November 2020, Kapsch announced that it had developed an all-new electronic tolling (AET) system for the New York State Thruway Authority (NYSTA), which is now fully operational and in revenue service.

In July 2020, TransCore delivered a program that advances tolling capabilities in California by leveraging real-time occupancy meters to enhance enforcement, alleviate congestion, and provide solo drivers with clean-air discounts when applicable.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

#### **Table of Contents:**

##### 1 INTRODUCTION

###### 1.1 Study Assumptions

###### 1.2 Scope of the Study

##### 2 RESEARCH METHODOLOGY

##### 3 EXECUTIVE SUMMARY

##### 4 MARKET DYNAMICS

###### 4.1 Market Drivers

###### 4.2 Market Restraints

###### 4.3 Porter's Five Forces Analysis

###### 4.3.1 Threat of New Entrants

###### 4.3.2 Bargaining Power of Buyers/Consumers

###### 4.3.3 Bargaining Power of Suppliers

###### 4.3.4 Threat of Substitute Products

###### 4.3.5 Intensity of Competitive Rivalry

##### 5 MARKET SEGMENTATION

###### 5.1 Type

###### 5.1.1 Transponder

###### 5.1.2 Other Types

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.2 Technology
  - 5.2.1 Radio-frequency Identification (RFID)
  - 5.2.2 Dedicated Short-range Communication (DSRC)
  - 5.2.3 Other Technologies
- 5.3 Application Type
  - 5.3.1 Bridges
  - 5.3.2 Roads
  - 5.3.3 Tunnels
- 5.4 Geography
  - 5.4.1 United States
  - 5.4.2 Canada
  - 5.4.3 Rest of North America

## 6 COMPETITIVE LANDSCAPE

- 6.1 Vendor Market Share
- 6.2 Company Profiles\*
  - 6.2.1 Kapsch Group
  - 6.2.2 Thales Group
  - 6.2.3 Toshiba Corporation
  - 6.2.4 TransCore
  - 6.2.5 Siemens
  - 6.2.6 TRMI Systems Integration
  - 6.2.7 Magnetic AutoControl

## 7 MARKET OPPORTUNITIES AND FUTURE TRENDS

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**North America Electronic Toll Collection (Etc) Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 90 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-28"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

