



Voyageur^{by Transway}Onboard 3055

The Voyager Onboard 3055 is Transway's NexGen validator and comes packed with features Built in GPS for seamless ticketing and pricing, choice of regularly scheduled or on demand updates, support for multiple and group validations, and even a choice between two different graphic interfaces! As you would expect, the Voyager Onboard 3055 is rugged, durable, and has a full color user interface with numerous lighting options and a 1W speaker. Now that's NexGen!

AT A GLANCE

- ✓ Internal GPS, seamless pricing models
- ✓ Ergonomic User Interface
- ✓ Supports check in and check out validation
- ✓ Sunlight readable
- ✓ Choice of regularly scheduled or on demand updates
- ✓ Flexible - support for multiple transit companies, different tariff structures, and multiple contracts, or travel packages, on a single card
- ✓ Quick – with a maximum of ½ second to complete a transaction
- ✓ Rugged and durable ,Complies to IK08 and IP64
- ✓ Full color user interface, numerous lighting options, and a 1W speaker

HOW IT WORKS

The process for the passenger is simple and seamless. The Voyager Onboard 3055 is placed on the vehicle, usually at several strategic locations. The traveler approaches the machine and simply places the card near the contactless reader for validation.

The Voyager Onboard 3055 quickly reads the card, calculates the required travel points needed for the current trip, and informs the passenger through sound and through the information on the screen if the validation was successful or not. The Voyager Onboard 3055 also deducts the correct relevant fare, usually as number of rides, from the stored rides on the card. In cases of time-based travel smart cards, the Voyager Onboard 3055 records the travel without deducting any travel points, or rides.

The passenger is immediately informed on the color display how much credit, be it in terms of time or travel points, is left on her travel card. In the case that the card is not valid, for whatever reason, the passenger is informed by sound and on screen text that indicates non-validation. There is also an optional printer that is capable of printing a receipt for the passenger.

The Voyager Onboard 3055 has internal communication capabilities with the Ticket Issuing Machine (Driver's Console). Alternatively, the Voyager Onboard 3055 can act as an 'on board network', with one of the machines equipped with an optional GPS and communicating with the back office system.



On-Board



Passenger Operated



TapNGo



Future-Proof



New

TECHNICAL DATA

Display monitor	3.2" Color TFT data image, qVGA (320X240)
Operational Keys	3mm capacitance touchscreen control
SAM slots	2
Internal Memory	16 MB RAM , 8 MB Flash and 8GB uSD
Contactless card reader	Supports the following standards: ISO-14443 A&B Calypso®, Mifare®, Mifare® Pluse, DESfire®, NFC.
Acoustic Indicators	1W speaker
Illumination Indicators	The unit contains an RGY Light bar element
Location service	GPS receiver SIRF IV with 48 tracking channels, 15s fast location acquisition (Optional)
Extra communication options	RS232/RS485, Bluetooth 2.1 (optional), LAN10/100 (optional)
Communication method to central office	On board cellular modem (2G option), <u>Secure</u> Disk On Key/Data Communications Unit (DCU) unit for backup purposes
Cellular Communication	internal cellular modem (Optional)
Communication interface	RS-485 or LAN10/100 (RJ45)
Internal Battery	Up to 120 minutes of work, used to maintain the integrity of transactions (Optional)
Temperature	Operation: -20°C to +70°C (Excluding paper); Storage: -40°C to +85°C
Humidity	95% at 38° non-condensing
Shock and Vibrations	IEC-721-2-5M3; Military Standard MIL-STD-810
EMC	Full Compliance: CE IEC 61000-4-2,4,5
Protection from dust & water	IP 64 , IK08
Materials	Reinforced plastic & metal
Dimensions	(W)120, (H)150, (D)80 mm
OS and CPU	RTX, ARM cortex
Operational Voltage	9.5 – 36 volts (±10%), Surge and reverse polarity protection