



Voyageur Onboard 6050 by Transway

The Voyageur Onboard 6050 is Transway's newest NextGen validator and comes packed with features. Built in GPS and 3G/WiFi comms. QR barcode reader and EMV L2 certified NFC ISO14443A&B reader. Up to 8 validators can be connected together. operating system . The 6050 is rugged, durable, and has a full color touch user interface with numerous lighting options and a 2W speaker. Now that's NexGen!

AT A GLANCE

- ✓ Internal GPS , seamless pricing models
- ✓ Ergonomic User Interface
- ✓ EMV L2 for Credit card use
- ✓ 7" Sunlight readable LCD
- ✓ 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
- ✓ QR code 2D barcode
- ✓ Rugged and durable - contains protected panel connections and shielded metal fixtures designed to prevent unauthorized detachment and removal
- ✓ Full color user interface, numerous lighting options, and a 2W speaker

HOW IT WORKS

The process for the passenger is simple and seamless. The

Voyageur Onboard 6050 is placed on the vehicle, usually at several strategic locations. The traveler approaches the machine and simply places its Travel card, Credit card or phone near the contactless reader for validation.

The Voyageur Onboard 6050 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 Voyageur Onboard 6050 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 Voyageur Onboard 6050 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 Voyageur Onboard 6050 has internal communication capabilities with the Ticket Issuing Machine (Driver's Console). Alternatively, the Voyageur Onboard 6050 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	7" Color TFT data image, WVGA (800X480)
Operational Keys	Full projected capacitance touchscreen control
SAM slots	2
Internal Memory	uSD up to 16GB
Contactless card reader	Supports the following standards: ISO-14443 A & B Calypso®, Mifare®, MifarePlus®, DESfire®, NFC. EMV L2 (Visa, MasterCard, American express)
Acoustic Indicators	2W speaker
Illumination Indicators	The unit contains an two RGY Light bar element
Location service	GPS receiver SIRF IV with 48 tracking channels, 15s fast location acquisition (MASTER)
Extra communication options	RS232, RS485, USB expansion, PoE(24V to 48V) LAN10/100
Communication method to central office	On board cellular modem (2G to 3.5G option), <u>Secure</u> Disk On Key/Data Communications Unit (DCU) for backup purposes
Barcode sensor	Internal camera based ,fast acquisition 1D,2D
Computational	MQX or uLinux ARM Cortex M4 120MHz
Internal Battery	Up to 120 minutes of work, used to maintain the integrity of transactions (Optional)
Temperature	Operation: -20°C to +70°C; 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 65 , IK08
Materials	Reinforced plastic & metal
Dimensions	(W)125, (H)200, (D)120 mm
Operational Voltage	48V PoE (fully PoE compliant) or 9V-36V PoE