



Voyageur by Transway Onboard6000

The Voyager Onboard 6000 is Transway's newest 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 6000 is rugged, durable, and has a full color 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
- ✓ 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 - 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 Voyager Onboard 6000 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 6000 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 6000 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 6000 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 6000 has internal communication capabilities with the Ticket Issuing Machine (Driver's Console). Alternatively, the Voyager Onboard 6000 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 | 16 MB RAM and 8 MB Flash |
| Contactless card reader | Supports the following standards: ISO-14443 A&B Calypso®, Mifare®, Mifare® Pluse, DESfire®, NFC. |
| Acoustic Indicators | Two 2W speakers |
| 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, CANbus 2.0, Bluetooth 2.1, WiFi 802.11b/g, HDMI 1.2 |
| Communication method to central office | On board cellular modem (2G to 3.5G option), <u>Secure</u> Disk On Key/Data Communications Unit (DCU) unit for backup purposes |
| Cellular Communication | CG – internal cellular modem (Optional) |
| Communication interface | RS-485 or LAN10/100 (RJ45) |
| Internal Battery | Up to 180 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 65 , IK08 |
| Materials | Reinforced plastic & metal |
| Dimensions | (W)125, (H)200, (D)120 mm |
| OS and CPU | RTX, ARM cortex |
| Operational Voltage | 9.5 – 36 volts (±10%), Surge and reverse polarity protection |