Nexo-360

On-Board Computer, Ticket Printer and Driver Console

Based on its experience on designing and manufacturing high quality ticketing devices for on bus operation, AMCO presents the new on-board computer, driver console and ticket printer Nexo-360 series supporting many options of electronic fare media. This device meets with great success the present and future fare collection management needs of transport operators.

Nexo-360 combines ergonomic design, robustness and high efficiency in issuing paper tickets but also processing a variety of electronic fare media options including smart cards, bank cards, NFC, printed or mobile QR codes. Nexo-360 is not only a driver's console but it is an ultimate communication platform supporting WiFi, Bluetooth, 3G/4G and Ethernet technologies.

Tailored to modern public transport operator needs, Nexo-360 features a 10.4" projected capacitive touch screen, attractive user interface for driver, separate passenger display, indication LED light bar and a 3W audio system to ensure instant transactions as well as enhanced rider's experience. Nexo-360 operates either as a supervisor of all on-board equipment or as a stand-alone device. Apart from a complete fare collection management device for on-board payments, it can control the Automatic Vehicle Location and Real Time Passenger information functionalities.

The driver has the ability to adjust the horizontal position of the screen for optimum comfort in handling the device regardless of the mounting position on every vehicle. Also the vertical angle can easily be adjusted.

Key Features

- **Ergonomic and high quality ticketing device**
- **Adjustment of the screen position on X and Y axis**
- **Sunlight readable 10.4" touch screen**
- **User friendly Interface for optimum driver's use**
- **Power CPU for further expandability**
- **High speed thermal printer**
- **Fare media means as smart cards, printed or mobile QR codes**
- **Support for NFC and EMV compliant contactless bank cards**
- **Multiple communication interfaces**

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TICKETING SOLUTIONS

amco

Inspired
Technologies

Nexo-360

TECHNICAL SPECIFICATIONS

Processing Unit
- CPU: i.MX 6 DualLite 800MHz dual core (Optional up to 1.4 GHz quad core)
- RAM: DDR3 512MB (optional up to 1GB)
- STORAGE: 4GB integrated flash memory/Up to 64GB mircoSD
- OS: Linux

Display
- Color TFT 10.4" driver display, resolution 1024 x 768 protected by 4mm vandal proof strengthened glass
- Multi-Touch Projected Capacitive Touch (PCAP)
- 128x64 Graphic Display for passenger

Contactless Card Reader
- Contactless smart card ISO/IEC 14443 (Type A & B) and NFC
- 2 SAM IS07816 sockets for ID000 Format (SIM-Card) (Optional 4)
- Support for MIFARE classic, MIFARE DESFire, MI FARE™ Plus, Calypso
- EMVCo compliant

Optical Validation
- 1D and 2D Barcode reader (paper & mobile tickets)

Ticket Printer
- Direct thermal printing, 203dpi
- Full graphics support
- Paper width max 80 mm
- Paper roll diameter up to 85mm
- Paper Thickness 50 to 100g/m2
- Maximum printing speed 200 mm/s

I/O Interfaces
- 2 × general purpose Digital/Analog I/O (up to 4)
- Odometer

Communication Interfaces
- LAN Ethernet 10/100 Mbit
- 3G/4G
- RS485, RS232, IBIS (option)
- USB 2.0 diagnostics port for maintenance
- CAN bus
- GPS
- Wifi 802.11 a/b/g/n (optional)
- Bluetooth (optional)

Audio
- 1×3W audio Speaker
- Play audio files
- Mic in
- Line Out

Environment
- Operating temperature: -20 °C to +70 °C
- Storage Temperature: -30°C to +85°C
- Humidity: 15% to 95% non-condensing

Power Supply
- 9 to 36 VDC, reverse polarity protection

Housing
- Ergonomic design adjustable to driver's position
- Robust PC- ABS material
- Overall outer dimensions: 255mm×270mm×345mm (HxWxD)
- Protection IP54 excluding paper slot IP33
- Mounted on lockable metal cradle for easy replacement
- Enclosure color according to customer demand
- Weight approx. 4Kg