



# 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 as a stand-alone device. Apart from a complete fare collection management device for on-board payments, it supports the Automatic Vehicle Location and Real Time Passenger information functionalities.**

For optimum comfort in device regardless of the mounting position (Lefthand or righthand vehicles) the NEXO360 allows the adjustment of the screen's position horizontally as well as screen's vertical angle.

## 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**

Nexo-360  
TICKETING SOLUTIONS

**amco**

Inspired  
Technologies



## ADJUSTMENT OF THE SCREEN POSITION ON X AND Y AXIS



# TECHNICAL SPECIFICATIONS

## Processing Unit

- CPU: i.MX 6 DualLite 800MHz dual core (Optional i.MX 8 Quad core 1.2GHz)
- RAM: DDR3 512MB (Optional DDR4 2GB)
- STORAGE: 4GB integrated flash memory / Up to 64GB microSD
- OS: Linux, Android

## 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 ISO7816 sockets for ID000 Format (SIM-Card) (Optional 4)
- Support for MIFARE classic, MIFARE DESFire, MIFARE™ 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
- 4G
- RS485, RS232, IBIS (optional)
- 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
- Audio Line out (for Audio Announcements or VOIP) 2nd Audio line out (optional)

## 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

# Nexo-360

Technical data are subject to change without any prior notice | Nexo\_360\_Version\_2.0\_October\_2023