

# DUALIS 3000 CR

Mobile comfort for passengers and operators



The DUALIS 3000 CR offers mobile comfort in buses and trams while availability of common forms of payment.

- this TVM was developed for the high requirements of on board installation in buses and trams
- ECOLINE technology and thus reduces energy consumption by 50 % compared to predecessor models
- high reliability and availability
- service friendly and thus lower maintenance costs due to the modular concept
- optional: 2D barcode reader as customer interface
- optional: equipped with a banknote acceptor with escrow



**USER-FRIENDLY**  
extremely easy to operate



**ECOLINE**  
less energy costs



**LOW MAINTENANCE**  
low life cycle costs



**ON-BOARD**  
buses + trams

## DUALIS 3000 CR

Mobile ticket vending machines have to meet high requirements in terms of the possibility of using all common of payment and high operating comfort. Particularly in buses and trams there is not much time to buy tickets, a limit of space. Due to these constraints, tickets have to be purchases quickly, simply, and safely. ICA developed the DUALIS 3000 CR to enhance passengers' satisfaction when buying tickets on the move and to make the operation of these machines more efficient.

And not least, today operators expect a future-proof investment with an eye to new technologies. With the DUALIS 3000 CR, ICA Traffic meets the requirements placed on mobile ticket vending machines for buses and trams in every respect.

### Overview of advantages

- payment with coins or banknotes, and cashless and contactless payment is also possible
- prepared for electronic ticketing (VDV-KA and international standards)
- data interfaces for LTE and WLAN
- the integrated IBIS interface or alternatively LAN links the ticket machines with the on-board computer
- optional: barcode reader as customer interface
- banknote acceptor with escrow
- large, bright 15" TFT Touch Display

### Technical Data

housing	stainless steel
hook locking mechanism	5-point
width	500 mm
height	980 mm
depth	350 mm
weight (without change magazines)	105 kg
user interface	<ul style="list-style-type: none"> <li>▪ infrared touch with 15" TFT-display (multitouch compatible)</li> <li>▪ 1D and 2D barcodescanner (option)</li> </ul>
coin processing	<ul style="list-style-type: none"> <li>▪ electronic coin checker</li> <li>▪ use of 6 change magazines</li> <li>▪ self-closing 4.5 liter final cash drawer</li> <li>▪ 2 additional change magazines 500 coins each</li> </ul>
banknote processing	acceptance of 6 sorts of banknotes
cashless payment	<ul style="list-style-type: none"> <li>▪ new terminal generation PCI-PTS 3.1 with anti-skimming function</li> <li>▪ girogo, PayPass, payWave, debit- and credit cards with PIN pad</li> <li>▪ RFID reader supports NFC standard EN 18902</li> </ul>
thermal printer	high-speed printer with up to 2 paper rolls
eTicketing	electronic ticket (e. g. as per VDV-KA)
power supply	24 VDC mobile, UPS operation
controller	embedded industrial computer
data interface to board computer	LTE, WLAN
fire protection	certified according to regulation EN 1630, permission e1

