

# OPP-C60

Highly integrated  
and vandal-proof  
A safe investment

## Electronic payment

The OPP-C60 multifunctional payment terminal module is a standardised payment system that can be conveniently installed in fuel, parking or ticket vending machines or kiosk systems.

## Bright and colourful

The latest-generation high-resolution colour display gives an absolutely clear and sharp image even under difficult conditions, for example in direct sunlight.

## Security without compromises

The combination of the OPP-C60 with the high-secure card reader SCR-B meets the most stringent security requirements.

The SCR-B secure card reader is equipped with encrypted data transmission to the OPP-C60 and encapsulated housing. This combination meets the requirements of the DK (Deutsche Kreditwirtschaft) and the PCI-PTS 3.x specifications.

## Easy conversion of existing terminals

The new terminal can be installed in all conventional installation and aperture sizes, allowing inexpensive conversion of existing payment terminals.

## Software and control system

The further development of the successful SECpos software allows flexible and rapid changeover to the new technology.



- | High-resolution colour display
- | High system and processor speed
- | Highly integrated design
- | Vandal-proof
- | Simple installation and integration
- | Uniform payment kernel
- | Certified to the latest standards



## Technical Data

# OPP-C60

### RAM

385MB (256MB Flash, 128MB DDR2 RAM, 1MB SRAM)

### Processor

32-Bit ARM11 mikroprocessor  
Clock rate 533MHz

### Keypad

Vandal-proof stainless steel keypad in accordance with IK10, keys are raised above the front panel, abrasion-resistant laser engraved with tactile feedback, in accordance with Standard EBS100

### OPP-C60 Standard / 7000:

20 keys, of which 4 are configurable function keys

### OPP-C60 compact:

16 keys

### Operating system

Embedded Linux

### Front panel

Brushed stainless steel, vandal-proof, IP 65 if installed correctly, Can be installed flush in terminal front panels up to 3 mm thick.

### Display

TFT colour display, QVGA, 320x240 pixels, high luminosity, high contrast, graphics capability, remains legible in sunlight

### OPP-C60 Standard / 7000:

3,5" diagonal

### OPP-C60 compact:

2,7" diagonal

### Power supply

9V - 25V, with protection against reverse polarity Heating: 12V or 24V

### Cash register interface

ZVT cash register protocol  
O.P.I.-protocol  
MDB - Multi Drop Bus

### Communication / interfaces

1x LAN  
2x USB (USB 2.0 OTG 480MBit/s USB Mini-B, USB 2.0 Host 12MBit/s USB-A)  
4x RS232 (COM, SCR, PDS, MDB)  
2x SAM  
Optional: ISDN and GSM/GPRS external

### Dimensions

OPP-C60 Standard:  
External dimensions (L x W x H)  
199 x 140 x 50mm  
Panel (L x W) 160 x 101mm  
Weight 995g

### OPP-C60 compact:

External dimensions (L x W x H)  
141 x 92 x 50mm  
Panel (L x W) 120 x 82mm  
Weight 583g

### OPP-C60 7000:

External dimensions (L x W x H)  
199 x 132 x 50mm  
Panel (L x W) 164 x 100mm  
Weight 995g

### Ambient conditions

Operation: -20°C to +70°C,  
Humidity 5% ... 90% without condensation  
In critical areas, the electronics are coated as protection against condensation.

### Licensing

EMV Level1 / Level2, PCI-PTC 3.x,  
DK (ZKA) 7.1, DC POS 2.5, RoHS, CE,  
TA 7.0 (TA 7.1 from Q4 2013)  
money card, girogo, MasterCard PayPass™,  
Visa payWave™

### Sound module

optional: stereo loudspeaker output  
1 W / 80hm for passive systems

## Range of Products

# OPP | SCR



OPP-C60 Standard



OPP-C60 compact



OPP-C60 7000



### Technical data SCR-B

Vandal-proof metal mouthpiece  
Chip and magnetic track reader (3 tracks)  
Card lock with emergency release mechanism  
Optical status display via 3 LEDs  
with anti-skimming protection  
Heating (separate power supply)

### Contactless reader

PayPass™, payWave™  
in combination with OPP-C60  
girogo (pay)

**CCV Deutschland is an innovative and future-oriented provider of electronic transaction processing solutions approved to international and national standards such as PCI, EMC, DK and gematik.**

With its wide range of hardware and the server-based solution acCEPT, CCV can in particular guarantee traders (retail trade, chain stores as well as major retailers) cost savings and greater efficiency at the point of sale. For integrators in the cash register and mineral oil sector, we offer state-of-the-art in-house developments for indoor and outdoor applications. To ensure this, we maintain close contact with network providers, commerce, security committees and experts from the industry. Under the brand name Celectronic, CCV eHealth develops one of the best selling terminal product ranges in Germany.

Strength in unity: CCV Deutschland is part of the CCV Group, which is based in Arnheim (NL) and has over 500,000 terminals in operation in the Benelux countries, Germany and Switzerland. As one of the world's largest

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