

# Driver Console family

## DC800



### Key features

- \* Designed and certified for use in public transport vehicles: bus, tram, train
- \* High quality, interactive touch display for drivers and/or technical staff
- \* Adaptable and easy mounting solution for your vehicles
- \* Multitasking display for journey management, vehicle control, camera systems, and validation with optional printing.
- \* ITxPT ready
- \* System Diagnostic Tool
- \* Comes in standard and premium version.

# Technical Specifications

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TOUCHSCREEN           | 8" Colour TFT display (8" x 600 mm x 800 mm)<br>Luminance 1200, contrast ratio: 1/1300, 16,7 million colours<br>Ambient light sensor, automatic adjustment of the brightness of the display<br>Tempered glass, IK07, anti-glare optional<br>4 LED transaction indicators                                                                                                                                                                                                       |
| MEDIA INTERFACES      | Contactless Read/write unit<br>– ISO 14443 Type A/B<br>– EMV Level1: EMV level 2 ready<br>1 SAM slot                                                                                                                                                                                                                                                                                                                                                                           |
| COMPUTER              | Q7 form factor processor<br>4x Arm® Cortex®-A53 @1.6 GHz<br>2 GB RAM + 16 GB mass memory                                                                                                                                                                                                                                                                                                                                                                                       |
| OPERATING SYSTEM      | LINUX                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ELECTRICAL INTERFACES | – 1 Ethernet port<br>– 2 x Digital inputs (optically isolated)<br>– Audio line in/out (optional)<br>– 3 mPCIe extension slots (optional)                                                                                                                                                                                                                                                                                                                                       |
| SENSORS               | Inside temperature sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| AUDIO                 | 1 W RMS speaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| POWER                 | Input 9 to 36 VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OPERATING ENVIRONMENT | Operating temperature: -20 °C to +60°C<br>IP54 (only frontal)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DIMENSIONS (TOTAL)    | 204mm x 234mm x 272mm (without printer)<br>225mm x 234mm x 335mm (with printer)                                                                                                                                                                                                                                                                                                                                                                                                |
| DIMENSIONS (BUILD IN) | 122 x 32 pixels OLED Customer display                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| WEIGHT                | 4.5 Kg (without printer)<br>6.3 Kg (with printer)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MTBF                  | 35.000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| STANDARDS             | CE: Directive<br>– CEM 2014/30/EU (E ECE R10 & EN50121-3-2)<br>– Low voltage directive 2014/35/EU<br>– Directive RoHS 2011/65/EU<br>Automotive compliant:<br>– ECE R10 (ISO 7637-5 Level III)<br>– Fire compliant: ECE R118<br>Railway compliant:<br>– EN50155 (on demand)<br>Other<br>– EN60529: IP54 (only frontal)<br>– EN62262: IK07                                                                                                                                       |
| DIAGNOSTIC TOOL       | Journaling system information<br>• Diagnostic Webpage hosted<br>• Monitoring through SNMP, MQTT                                                                                                                                                                                                                                                                                                                                                                                |
| APPLICATIONS          | Chromium support included<br>3 Configurable front LEDs<br>The hardware is ITxPT-ready<br>Dashboard mounting via cradle                                                                                                                                                                                                                                                                                                                                                         |
| PREMIUM VERSION       | – Shock sensor<br>– Additional memory possible of 2 GB SDRAM, Plus Mass memory of 16 or 32 GB mSata Disk<br>– 1 additional 10/100 Base-TX Ethernet port<br>– 3 x RS232 ports, 2 x RS485 ports<br>– 1 x USB 2.0 port, plus optional 2 x USB 2.0 ports<br>– 1 x CAN bus J1939, 1 x IBS interface<br>– Contact reader, Barcode reader are Optional<br>– Printer module optional (Thermal dot line printer)<br>– WIFI, 4G and GPS modules are optional<br>– 3 additional SAM slots |

## Kontron Public Transportation NV

Twin Square (Madison), Culliganlaan 1A, 1831 Diegem (Brussels), Belgium, P + 32 2 306 10 11

info.kpt@kontron.com, www.kontron.com

Technical data is subject to change without prior notice