C57 On Board Computer

THOREB

Casing

- Dimensions of unit 328 x 52 x 199 (WxHxD) mm

Memory Capacity

- RAM   256 Mbyte
- Flash   512 Mbyte –(Extendable if required)

Interfaces

Standard interfaces:

- RS485
- ELSY
- IBIS
- 2 x RS232
- USB
- Ethernet (TCP/IP)
- Odometer input
- WLAN
- Audio input/output
- 1 amplified audio output
- 6 digital outputs
- 8 digital/analogue inputs for switches.
- 2 x CAN

- 2 x Video/Camera input (PAL or NTSC)
- GPS
- GSM 2G/GPRS

Performance

- About 1000 mA current consumption at 24 V, less than 10 mA at shutdown.
- Supply voltage   12 to 35 V
- Operating temperature   -20 to +70 °C
- E-certified. Tested according to UN ECE Regulation No. 10, ver 3:2008

Driver Interface

- Keyboard   Four keys for navigation and settings
- Display   D5, 5.7" colour graphic TFT

Example of Functions

- ELSY Multiplexing functionality
- CAN Interface for Engine & Gear Box Diagnostics
- Replacement of control and indication tell tail lamps
- Audible and/or visible alert the driver and service staff when malfunctions occur
- Handling and storing MP3-files for announcements
- Control destination and line number signs
- Control interior information display & announcement
- Keep track of the vehicle's position via GPS and distance counting etc.
- Communication and interface with other onboard units, e.g. ticket machines, smart card reader, passenger counters, video surveillance
- GPS time synchronisation
- Clock and Date Function
- Map applications, navigation and driver guidance
- Interface with Back Office for Remote Vehicle Health Monitoring
- Interface for Traffic light priority via data radio and loops
- Camera monitoring, e.g. rear view camera
- Camera Recording Devise Required Extra.
- Antenna (GPS, GPRS,WLAN) Extra Required
- City Map not included. Require Maps made for Navigation with the Co-ordinate system WGS84 and the format must be Mapinfo (.TAB) or ESRI (.shape)

www.thoreb.se