# KLV Terminals

## Robust touchscreen computers in approved quality for the food industry

KLV Terminals from DK EL are developed and designed to perform in demanding production environments in slaughterhouses and in other food businesses that need quality touchscreen computers in stainless steel.

**Facts KLV Terminals**
- Robust terminal in hygienic design
- Easy to clean
- Modular system
- Easy to maintain and upgrade
- Cabinet in stainless steel designed for the food industry
- PC with quality components
- Precise touchscreen
- User-friendly operation

## Full-line supplier for the food industry

DK EL specialises in touchscreen computers for food production companies. We can supply touchscreen computers as a stand-alone product and integrate it into your existing packing facility or design and deliver a complete new packaging system.

With a KLV Terminal from DK EL you get a robust operator interface in a hygienic design that is easy to clean. The touchscreen computer is user-friendly, and you can choose between a 15- or 17-inch screen. The terminal is built in stainless steel and with bevelled edges, which ensure easy cleaning and high hygiene standards that live up to all food standards.

### Modular design allows for easy maintenance and upgrade

With DK EL's modular KLV Terminals it is easy to replace a defective part without having to invest in a brand-new touchscreen computer.

By replacing individual parts that are either broken or lack capacity, you can save a lot of money on the maintenance of your terminals.

### Terminals produced in Denmark

KLV Terminals from DK EL are fully built and produced in Denmark with approved quality components that are designed to be able to work in both cold, hot and freezing conditions, without sacrificing performance.

Our quality touchscreen computers are solidly built in stainless steel and resistant to dirt and grime.

### Get a complete workstation

If requested, we can build the KLV Terminal into a complete workstation with stand system, table, printer shelf, network outlets etc., which of course live up to the highest hygiene standards.

### 31380CW series

Power supply:     100-240 VAC
Outputs:          Two 12VDC outputs
Hard drive:       SSD 64 GB

Intel® Bay Trail-l E3825/E3845 CPU, 3.5" SBC,
DDR3L Memory, VGA, HDMI, LVDS
2 x Gb lntel Ethernet, 2 x Mini PCle,
1 x SIM card socket, 6 x USB, 6 x COM

### Features
- Embedded Intel® Bay Trail-l E3825/E3845 CPU / Chipset
- On Board 2G/4G DDR3L
  (1 x DDR3L SODIMM socket for OEM option)
- Multiple lndependent display: VGA, HDMl & LVDS
- 2 x lntel GbE LAN, 1 x USB 3.0,
  6 x USB 2.0, Line-out, Mic-in, 6 x COM
- 2 x Mini PCle, 1 x SIM card socket

## Tekniske specifikationer

| | |
|---|---|
| CPU Type | Intel Bay Trail-l E3845 1.91 GHz (Quad Core) |
| MB Chipset | Intel Bay Trail-I E3825/E3845 Chipset |
| BIOS | Insyde UEFI BIOS |
| Graphics | Intel's 7th generation (Gen 7) graphics and media encode/decode engine, Supports DX"11. OpenGL 3.0 (OGL 3.0), OpenCL. 1.2 (OCL 1.2), OpenGLES 2.0 |
| System Memory | On Board 2G/4G DDR3L (1 x DDR3L SODIMM socket for OEM option) DDR3L 1066 MHz for E3825, 1333 MHz for E3845 |
| NAND flash memory | On Board SSD 4/8/16/32 GBytes (optional) |
| SATA | I x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s) I x mini card socket for mSATA |
| Audio | High Definition Audio Specification. Support Line-out / Mic-in |
| Audio Amplifier | Two Channel Class D. 2.57W/Ch (Typ.) into a 4Ωload: 1.46 W/Ch (Typ.) into a 8ΩLoad |
| LAN | 2 x lntel 10 / 100 / 1000 Mbps |
| LVDS/Touch Screen | Dual Ch 18/24 Bit LVDS USB touch screen controller |
| IO Function | 5 x RS232 (internal) 1 x 422/485 (internal) |
| USB | 1 x USB 3.0 (external) 3 x USB 2.0 (external) 2 x USB 2.0 (internal, share with mini card) |
| HIDMI | 1 x HDMI 1.4 (Type A 19 Pin ) |
| DIO & WDT | Hardware digital Input & Output, 8 x DI / 8 x DO Hardware Watch Dog Timer, 02~55 sec programmable |
| Expansion Interface | 1 x PCle Mini card for PCle & USB interface 1 x PCle  Mini card for Auto detect PCle or mSATA & USB interface 1 x 3G SIM card socket |
| Power | Wide Range DC IN +9V~36V CPC-Car Power Control-(option) |
| Dimension | 146 x 102 mm (3.5 inch) |
| Operation Temperature | -20°C ~ 70°C |
| Operation Humidity | 5 ~ 95%. Non-condensing |