NESO LT 4.3 boxed PCT
ARM9 panel mount HMI

Online support on www.garz-fricke.com
## TECHNICAL SPECIFICATION

**NESO LT 4.3 boxed**

### Freescale CPU

- **Class**: ARM® ARM926EJ-S™ i.MX257
- **Type/Clock**: 400 MHz
- **RTC**: Depending on ambient temperature
  - Standard time's deviation: +/- 30 ppm at 25°C

### Memory

- **NAND Flash**: 256 MByte NAND Flash
- **RAM**: Standard 128 MByte DDR-SDRAM
  - Optional 256 MByte DDR-SDRAM
- **Micro SD Card Slot**: 4 bit MicroSD(HC)

### Operating Systems

- **Supported OS**: Windows® Embedded CE 6.0 R3, Linux

### Communication Interfaces

- **Network**: 10/100 MBit/s Ethernet
- **Serial**: 1x RS-232 (Rx/Tx/RTS/CTS)
  - RS-485 1x RS-485 instead of CAN (Option)
- **Synchronous Serial Interfaces**: SPI (10 MBit/s) up to 12 chip selects; I²C matrix keypad up to 8 x 8
- **USB**: 1x 12 Mbit/s Full-Speed Host
  - 1x 480 Mbit/s High-Speed OTG
- **CAN Fieldbus**: 1x CAN (ISO/DIS 11898)
- **Digital I/O**: 1x Digital Out (0.7 A)
- **Speaker output**: 1x speaker (connector), 1W RMS (8Ω)

### Display and Touch

- **Size [mm]**: 4.3" (109.3)
- **Orientation**: 6 o'clock
- **Colors [bit]**: 24 (16.7 M colors)
- **Backlight Unit**: LED
- **Touch Technology**: 4-wire analog resistive, Projected capacitive
- **Width x Height [px]**: 480 x 272
- **Luminance [cd/m²]**: 350* 440*
- **Active Area [mm]**: 95.4 x 53.9

### Housing

- **Metal Parts**: 1.4016 high quality steel, 0.8 mm
- **Front Frame**: Light metall
- **Décor**: 180µ polyester film, anti-glare coating, RAL8011 (nut brown), Heat strengthened safety glass
- **Protection Class**: IP66

### Device Dimensions

- **W x H x D [mm]**: 131.0 x 87.7 x 30.4
- **Weight [g]**: 270

### Power Supply

- **Supply [V DC]**: Nom. 12, max. 9 – 16
  - Nom. 24, max. 9 – 30: ask factory
- **Consumption [W]**: Typ. 3.6

### Typical Environmental Conditions

- **Storage Temp. [°C]**: -20 to +70
- **Operating Temp. [°C]**: 0 to +60
- **Humidity [%RH]**: 5 to 90

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*Luminance of the resistive version applies to the entire device.
Luminance of the capacitive version applies to the device without touch (with capacitive touch approx. 85%)