Indoor Controller e-nventory

Indoor controller for the e-nventory system of DIGI SENS AG.

General
The indoor controller e-nventory is an embedded system which connect the DIGI SENS shelves and the e-nventory server.

Application
The only application of this device is the e-nventory system.

Description
The controller has a web-interface which let the user configure it and display scales information. The scale configuration is downloaded from the e-nventory server automatically. The main functionality of the device is to collect the weight of the connected scales and transmit these data to the e-nventory server.

Fit and function
The controller can be mounted on a rack with the two wall flaps. It may be delivered with a GPRS modem.
**Technical Data**

1. **Technical specifications**
   - Nominal voltage: 24 V / DC
   - Input voltage range: 24 V / DC
   - Current consumption: max 2A @ 24V
   - Functional temperature range: 0 °C to 40 °C
   - IP code: 20
   - Dimension (H x L x l): 63.50 x 150 x 244mm
   - Weight: 200 g
   - Relative Air Humidity: ≤ 98% not condensing

2. **Connectors**
   - 1x Kycon KP.JX-PM-3S-S DC connector
   - 1x RJ-45 for LAN interface
   - 4x RJ-45 for LOWA interface

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3. **Power supply**
   - Type: EPSON PS-180
   - Voltage: 24 V / DC
   - Max current: 2.1 A

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4. **Interfaces**
   - LAN (Ethernet): 1
   - LOWA: 4
   - GPRS (optional): 1

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5. **LAN**
   - DHCP: NO
   - IP address: IPv4
   - Speed: 10/100Mbps Ethernet

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6. **LOWA**
   - Output voltage: 12 V / DC
   - Maximal output current: 1A
   - Maximal number of scales: 80
   - without repeater with 19m of cable

   The ICE works with all DIGISENS shelves [1, 4, 6, 8 scales].

   **BEWARE:** interface under power. Only connect DIGI SENS AG shelves.

   Destruction hazard.

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7. **GPRS (optional)**
   - Frequencies bands: 850/900, 1800/1900 MHz

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8. **Delivery Condition**
   - LAN or GPRS version as main interface for communication with e-inventory.net server.

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**Dimensional drawing**

with wall flaps:

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