

**Driver Control Panel
(DCP83)**

Datasheet

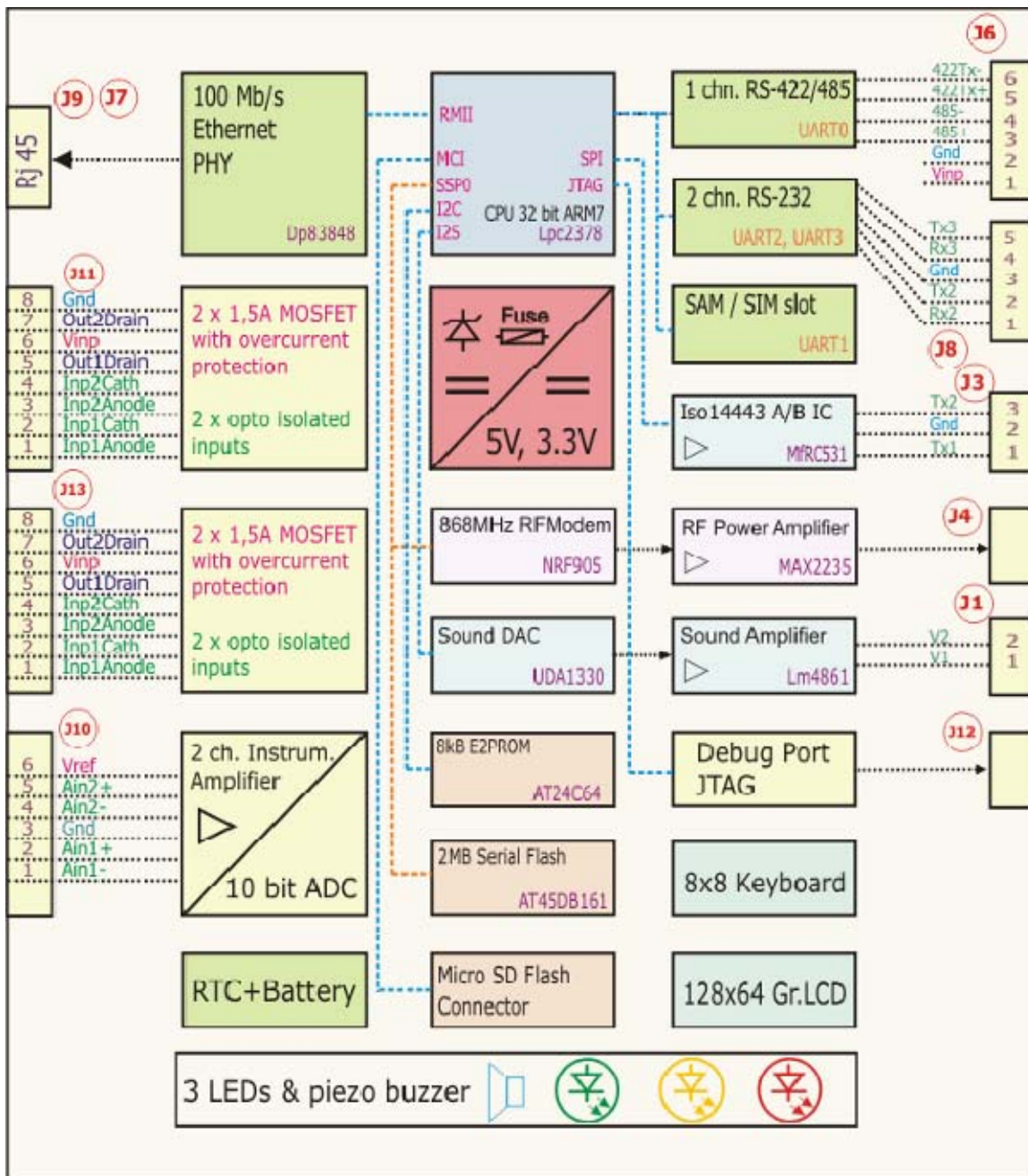


1. Introduction

Functional characteristics;

- Intended for use with Electronic Fare Collection Validators,
- Driver Authorization,
- Holds Driver Activity Log,
- Messaging with central management office (via the Validator's gprs channel),
- Discount decisions,
- Route Selection,
- Drives up to 4 LED route information panels,
- Shows passenger's card information,
- Remote s/w update.

2. Block Diagram



DCP83 Block Diagram

3. Technical Specifications

DCP83

CPU	: 72MIPS ARM7TDMI,
Memory	: Up to 2GB Flash Memory, 64KB RAM,
Card Reader	: ISO/IEC 1443A and ISO/IEC 1443B contactless comm. protocols, Up to 100 mm reading range, depending on the card,
Communication	: 2 channels RS-485/RS-422, 100MBit/s Ethernet,
I/O	: 4 Power MOSFET open-drain outputs, 4 optically isolated inputs,
Keyboards	: 25 keys, frequently used ones colored for easy access,
Display	: 128 x 64 dots Monochrome Graphic LCD,
Indicators	: 3 pcs. LEDs,
Buzzer	: Piezoelectric Buzzer,
RTC	: With a battery back-up,
Supply Voltage	: DC 8V ÷ DC 30V An over voltage and a load dump protections,
Operating t°	: (-35 C° ÷ + 85 C°),
Storage t°	: (-55 C° ÷ +110 C°),
Housing	: ABS Plastic,
Dimensions	: 185 x 117,5 x 37,30 [mm].

4. Mechanical Drawings

