

C3I

**3.5" Low Profile
Colour display**



Key Features:

- / 3.5" Colour display
- / 750 NIT Sunlight readable
- / 130° / 110° Viewing angle
- / 320 x 240 Resolution
- / -40°C +70°C Operating temp
- / 2 x CANbus
- / IP67 All Round Protection
- / 7 x Analogue inputs
- / 3 x Digital inputs
- / 4 x Relay outputs
- / 1 x RS232 connection
- / Ethernet via USB dongle
- / 1 x USB port

THE C3I OFFERS A LOW PROFILE HOUSING WITH FULL I/O IN THE RANGE OF 3.5" COMPACT COLOUR CAN BUS DISPLAYS.

Part of the CAN bus display family from Veethree, it is a fully sunlight viewable 3.5 inch colour display, which is compact and highly flexible with a low profile bezel. It has a larger more accessible and stylised keypad, which is backlit for ease of operation at night.

With 7 analogue inputs, 4 relay outputs combined with 3 digital inputs, 1 Tachometer input, 2 CAN input connections, plus a USB port the C3I offers maximum functionality. Ethernet can be supported via a USB to Ethernet adapter.

The high brightness QVGA (320 x 240 pixels) colour display is fully sunlight viewable and the unit is totally sealed. Electrically and environmentally rugged, the C3I provides durable, flexible instrumentation for the harshest of environments.

Using the powerful Freescale i.MX286 ARM processor running Linux, programmers can quickly put together a project using our proprietary software developer's kit (SDK) and the proven Veethree component based library. Application software is able to be rapidly validated on a PC using the PC simulator.

Accessories

- > Cable Harnesses
- > Front Mounting Kits
- > Branding - Labels & Boxes
- > GPS Sensor
- > Development Harness
- > Protective Sun Covers

Part Numbers:

3510

C3I 3.5" CAN Display

3513

C3I 3.5" CAN Display
with Engine Monitor
Software Preloaded

3514

C3I 3.5" CAN Display
with Engine Gateway
Monitor Software
Preloaded

Hardware

| | |
|--------------|--|
| CPU | Freescale i.MX286 (454 MHz ARM926EJ-S) |
| Flash Memory | 128 MB NAND |
| SDRAM | 128 MB |

Mechanical

| | |
|---------------|---|
| Case Material | ABS |
| Case Colour | Black |
| Dimensions | 116mm (W) x 116mm (H) Front x 41mm rear (D) and 96mm rear (WxH) |

Electrical

| | |
|--------------------|--|
| Display | a-Si TFT LCD 3.5' |
| Resolution | 320 (H) x 240 (V) QVGA |
| Active Area | 70.08mm (H) x 52.56mm (V) |
| No. of Colours | 64k |
| Viewing Angle | 130° / 110° degrees from 6 O'clock |
| Contrast Ratio | 300:1 |
| Brightness | 750 NIT (cd/m ²) |
| Power Requirements | 10V to 32V DC |
| Sounder | Internal Buzzer |
| Connection | (1) 12 Pin Deutsch DT04-12PA Moulded in Receptacle Mates with Primary DT06-12SA (1) 12 Pin Deutsch DT04-12PB Moulded in Receptacle Mates with Secondary DT06-12SB |

Input/Output / Communications

| | |
|--------------------------|---|
| Analogue Input | 7 x Analogue Inputs - 0 - 2.5 VDC, 0-5 VDC, 0 - 10 VDC or 0 - 1000 OHMS |
| Switch Inputs | 2 x Switch Contact to ground or open collector type sensor - max. frequency = 50 Hz |
| RPM Input | 1 x Magnetic pick up or hall effect and similar with push-pull output - max. frequency = 5 KHz |
| Relay / Solenoid Outputs | 4 x Open collector suitable 0.5A continuous load. |
| Communications | 1 X RS232, 1 X CAN bus 2.0B (1 isolated), USB2.0 |

Environmental

| | |
|-----------------------|----------------------------|
| Operating Temperature | -40°C to +70°C |
| Storage Temperature | -40°C to +80°C |
| Degree of Protection | IP67 All Round, IP66 Front |