

## **TTConnect Pro 10666 MATCH**

# **Description**

TTConnect Pro 10666 MATCH is a robust telematics control unit (TCU) for on-edge CAN processing and global bidirectional communication in combination with the Cloud. It is fully compatible with the HYDAC MATCH software platform for enhanced efficiency and automation and includes already a MATCH runtime license. The TTConnect Pro 10666 MATCH has CAN and Ethernet interfaces, provides 4G mobile connection as well as WIFI, Bluetooth and GNSS connectivity with an external antenna interface and a battery. The TTConnect Pro 10666 MATCH, combined with an advanced cloud platform, delivers a seamless, end-to-end IoT solution for OEMs in the off-highway sector.



Dimensions	86,6 +/- 1 mm x 123 +/- 1 mm x 36 +/- 2 mm
Weight	<= 0,210 kg
Ingress Protection	IP6K7 (with mounted conn.)

# **Electrical Specifications**

DC power supply	12 V / 24 V +/-50%
Current Consumption	<= 290
at 24 V / 25° C (av.	mA
operating)	
Current Consumption	<= 1 mA
at 24 V (Sleep Mode)	
Status LEDs	2 (RGB)
Battery capacity	1.15 Ah

# **Temperature Rating**

Operating temperature	-20 to +60 °C (ambient)
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### Sensors

Temperature (not	-40° to +85 ° C
calibrated)	
Acceleration (not	3 axes, +/ 16 g, 16 bit
calibrated)	
Angular rate (not	3 axes, +/- 250° / s, 16 bit
calibrated)	

### **Connectors**

Main connector	Micro Timer II, 14 contacts
Ethernet connector	M12-Female-Socket, 4- contact, D-coded
GSM / UMTS / LTE	Fakra D
Cat 4 Antenna	
Positioning	Fakra C



## **System Components**

- Dual-core ARM® Cortex®-A7 (650 MHz)
- 4 GB Flash (2.5 GB available for application)
- 32 KB FRAM
- 512 MB DDR3 RAM
- Real-time clock with backup capacitor: Backup time > 48 h at 25 °C
- Battery

### **Interfaces**

- 3 x CAN 10 kbit/s to 1 Mbit/s (with future firmware: 3 x CAN FD)
- 1 x 100Base-TX Ethernet
- eSIM
- Nano SIM Socket: Optional internal Nano SIM
- 1 x analog IN 12 bit (Terminal 15)
- 3 x analog IN 12 bit, 0 15 V
- 1 x digital OUT up to 500 mA, high side

### **Wireless Connectivity**

- 4G / LTE Cat 4 (MHz): B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B38, B39, B40, B41
- 3G / UMTS / HSPA (MHz): 850 (B5) / 900 (B8) / 1700 (B4) / 1900 (B2) / 2100 (B1)
- 2G / GSM / GPRS / EDGE (MHz): 850 / 900 / 1800 / 1900
- Bluetooth (upcoming): Bluetooth 5.0 and Bluetooth Low Energy, 2,4 GHz, integrated antenna
- Wi-Fi® (IEEE 802.11): a, b, g, n, Dualband 2,4GHz and 5 GHz, integrated antenna

### **Positioning**

- GPS / GLONASS / Beidou / Galileo / QZSS: Singleband 1559..1606 MHz
- Accuracy CEP 50% <= 4m

### Security

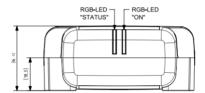
- Encrypted data transmission according to TLS
- Trusted Platform Module
- Bidirectional authentication
- Secure Boot
- Signed Firmware

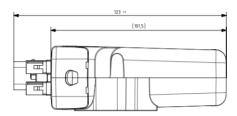
**TTControl S.r.l. – Brixen, Italy** Tel.: +39 0472 26 80-11

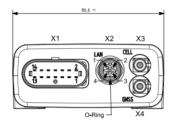
products@ttcontrol.com, www.ttcontrol.com

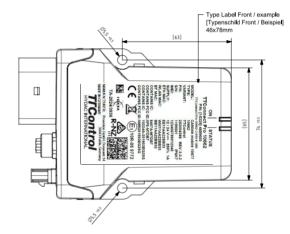


# **Technical Drawing**









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