## Topcon XC1 plus Console

### Economical 10" Touchscreen Display



Compatible with many agricultural machines, the Topcon XC1 plus console provides a reliable interface in an economical yet durable form. This steering display features a 10" color touchscreen, high durability design for open-cab environments, and easy-to-use Topcon software with an optional ISOBUS unlock. Integrated with Topcon Manual Guidance and Value Line Steering solutions, the XC1 plus is ready for the variable needs of commercial agriculture.

- » Clear 10" color touchscreen
- » Proven, easy-to-use software with optional ISOBUS implement control
- » High durability (IP66)

### **Display**

Type	TFT Color Graphic LCD with LED backlight
Size	10,1" (259 mm (W) x 175 mm (H))
Resolution	1280 x 800 px (WQVGA), 15:9
Colors	16.7 Mio.
Brightness	typ. 1000cd/m2
Contrast Ratio	typ. 800:1

### **Input Devices**

Touch	Capacitive Touch
Indicators and Sensors	Light sensor 1 Multicolor LED

#### **Electronics**

CPU	Freescale I.MX6®, Dual, 1000MHz
Mass storage	8 GByte (minus space for OS & application)
RAM	2GByte
RTC	Buffered by gold cap Buffered for 2 weeks at Tambien Deviation max. 1s/day
Speaker	Up to 90dB @ 10cm distance (max. @ ~8 kHz)
Audio	1 x Audio output (left, right, GND) AC97 compatible Output power: approx. 50 mW
Silent Wake-Input	Input which can be used for Silent-Wake- On of the OPUS to reduce visible boot-time Active on positive edge
Power supply	System supplied through terminal 30 (battery +, see pinout) and 31 (battery -, see pinout). Terminal 15 (ignition) to be used to switch on/off. Operating voltage range: 8 - 36 V DC. Short circuit protection. Over-voltage protection up to 48 V for max. 5 min. Inverse polarity protection up to -48 V DC for max. 5 min.



# Topcon XC1 plus Console

## Economical 10" Touchscreen Display

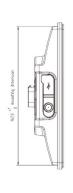
Interfaces		
CAN Bus	4 x CAN-Interface according to ISO 11898, CAN-specification 2.0 B active, up to 1 Mbit/s (default 250 Kbit/s, possible 10 Kbit/s, 20 Kbit/s, 50 Kbit/s, 83.3 Kbit/s, 111.1 Kbit/s, 250 Kbit/s, 500 Kbit/s, 800 Kbit/s, 1 Mbit/s)	
RS232	1 x RS232-Interface Type: EIA232 (only RXD, TXD, GND) Speed: max. 115.200 Kbps	
USB	Host 2.0 Side connector: 1 x Type A High speed Guaranteed 900 mA @ 5 V Back connector: 1 x Type A High speed Guaranteed 900 mA @ 5 V	
Wireless-Interface	Via additional USB connected WiFi device	
Ethernet-Interface	1 x Automotive Ethernet Interface	
Connectors		
Main	Typo-AMP 1437288-6 Mating connector (customer) Typo-AMP 3-1437290-7 Mating crimp contact (customer) Typo-AMP 3-1447221-4 Dummy Plug (customer) Typo-AMP 4-1437284-3	
Ethernet-Connector	M12 round connector, female, 4-pole, D-coded acc. to EN 61076-2-101	
Software		
Operating System	Linux Kernel 4.14.0 or higher	
Application Programming	Horizon Lite	
<b>Testing and Verification</b>	1	
CE-Compliance	EU Directive 2014/30/EU (EMC) according to  - EN 13766: Construction machinery - Electromagnetic compatibility of machines with internal electrical power supply  - EN ISO 14982: Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and acceptance criteria  - EN 50498: Electromagnetic compatibility (EMC).  Product family standard for aftermarket electronic equipment in vehicles.  - EN 61000-6-2: Electromagnetic compatibility (EMC).  Generic standards - Immunity for industrial environment  - EN 61000-6-4: Electromagnetic compatibility (EMC).  Generic standards - Emission standard for industrial environment.	

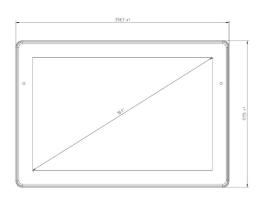


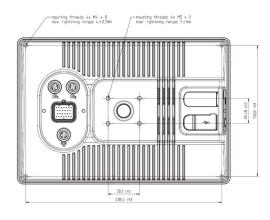
## Topcon XC1 plus Console

### Economical 10" Touchscreen Display

#### **Dimensions**







Note: dimensions are in millimeters (mm)



Page 3/3