CrossOver CO1760

Technical Data Sheet
V9/April 2019

ANTENNA	DUAL-CHANNEL	SINGLE-CHANNEL
Technology	ImpulseRadar real-time sampling	
Antenna type	CrossOver dual-channel	
Centre frequency	CH-1: 170 MHz (LF) / CH-2: 600 MHz (HF)	
Channel activation	CH-1 & CH-2 (LF & HF)	CH-1 (LF) or CH-2 (HF) only
Signal to noise ratio (SNR)	>100 dB	
Significant/useful number of bits	>16 bit	
Scans/second	>800	
Survey speed	> 130 km/h @ 5 cm point interval	
Time window	1050 ns (LF) / 263 ns (HF)	
Bandwidth	>120%, fractional, -10 dB	
Acquisition mode	Wheel, time or manual	
Positioning	Wheel encoder, internal DGPS, external GPS (NMEA 0183 protocol)	
Power supply	12 V Li-Ion rechargeable battery, or ext. 12 V DC source(optional)	
Power consumption	1.3 A	1.0 A
Operating time	7 hours	9 hours
Dimensions	695 x 445 x 205 mm	
Weight	9.5 kg (including battery)	
Operating temperature	-20° to +50°C	
Environmental	IP65	
Regulatory certification	CE & FCC	
CART		
Dimensions (folded for transport)	920 x 640 x 390 mm	
Dimensions (when in use)	1100 x 640 x 1030	
Wheels	4 x Ø315 mm	
Weight	15.3 kg (Cart only)[1], 25.7 kg (Cart, Antenna & Display)[2]	
USER INTERFACE		
Display	720 x 1280 pixel or better	
Operating system	Android™ (>ver. 5 Lollipop) or later	
Memory	2.7 GB SDRAM or better	
Processor	Intel Atom x5-Z8550, Quad-core 2.3 GHz Krait 400 or better	
Recommendation	*Panasonic Toughpad FZ-A2 (or equivalent)*	

[1] Cart, skid plate and display holder

[2] Cart, skid plate, antenna, display holder and display

Note on channel activation:
An antenna that is configured for single-channel operation may later be upgraded to enable second-channel activation. However, the centre-frequency pairings are fixed according to the type of CrossOver antenna, as per the specification above. For further clarification, please contact our headquarters at the details listed below.

ImpulseRadar products are under continuous development and we reserve the right to change specifications at any time and without prior notice. You may verify product specifications at any time by contacting our headquarters using the details listed below.

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ImpulseRadar defines GPR