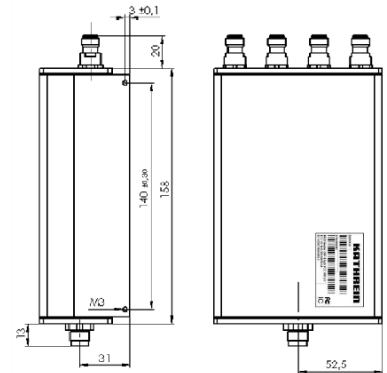


RRU4 RFID UHF OEM Reader
Balluff RFID UHF Reader BU2-FCC
Order-Nr. 520 10164

Balluff UHF RFID Reader Modul HW 2.0 with 4 Antenna ports works in the frequency range from 902MHz to 928MHz in the US-Version.

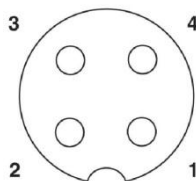
The Balluff BU2 a rfid reader based upon the previous version, which has been consistently enhanced. The reader can be configured and controlled via RS232 Interface. The device is used to read and write UHF RFID Tags according to EPC Global standard generation 2.



Type Nr.		Balluff RFID UHF Reader BU2-FCC	
ON:		520 10164	
Data			
Voltage	V	DC 24 V ± 20%	
Current	A	~ 740mA @ 2W Pout	
Temperature range	°C	-20 ... +55	
Storage temperature range	°C	-40 ... +85	
100% Warming up	Sec.	5	
TX-RF-Power max.	dBm	+30 (1W)	
TX-RF-Power Range	dBm	+20 ... +33	
TX-RF Step Size	dB	0,25	
VSWR (50 Ohm)		< 1,3 : 1	
LO Range	MHz	902 ... 928	
LO Step Size	kHz	25	
LO Frequency accuracy	ppm	± 10	
LO Phase noise	dBc/Hz	-73	
RX-sensitivity Talk mode	dBm	-80	
Data Gateway		RS 232; Protocol 230400, N, 8,1 + CRC16	
Protection class		IP 65	
Connector			

- Housing:** • Die-cast aluminium, steel and plastic
- Technical Features:**
- System compliant to EPC Class 1 Gen2/ISO 18000-6C standards
 - Combined TX/RX antenna ports • Dense Reader Mode (DRM)
 - Output power range adjustable from 20 dBm up to 30 dBm (conducted; 50 mW - 1 W)

Socket 4-pole A-coded



Pin	Allocation
1	UB
2	RX
3	GND
4	TX