

BALOGH



ERO-100/QC Transceiver

Industrial RFID Transceiver

Orange Product Range



Compatible Tags

OMA	Industrial Read-Write Tag Series
GIE	Industrial R/W Enhanced Speed Tag Series
OC	Industrial Fixed Code Read-Only Tags
OF	Industrial Read-Only Tags

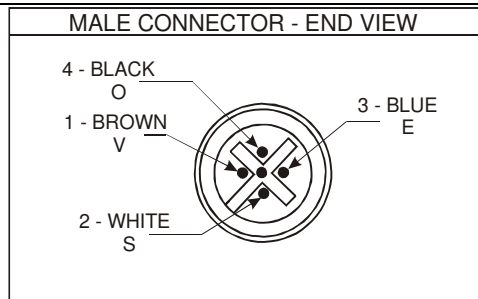
Description

The ERO-100/QC Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS, type: OMA, OF, OFR, GIE, or for Dialog Communications with other BALOGH Transceivers.

Characteristics

- Power Supply (<10% Ripple) 24/48 V DC
- Voltage Tolerance -20% +15%
- Max Current Consumption 150 mA
- Min Ambient Temperature -25 °C
- Max Ambient Temperature +70 °C
- Distance Between Transceivers 1200 mm
- IP 65 Rated
- Weight: 550 g
- PBT-GF 30-V0 & Zamac Casing
- Polyurethane Potting
- Protected Against Polarity Reversal
- Protected Against Load Short-Circuit

QC Connector Pin-Out



QC Connection to Main Board

Terminals

Connections

1	+V DC
2	Output
3	Input
4	0V DC

Tag Compatibility Information Chart							
Tag Type		OMA-711	OMA-731	OMA-831	OMA-851	OMA-931	
Maximum Range		70 mm	52 mm	80 mm	100 mm	80 mm	
Static Transmission Zone	Typical Height at Sr	28 mm	20 mm	32 mm	40 mm	32 mm	
	Typical Length at Sr	140 mm	108 mm	160 mm	200 mm	160 mm	
	Typical Width at Sr	50 mm	52 mm	55 mm	60 mm	55 mm	
Dynamic Transmission Zone	Minimum Length at Sr	90 mm	80 mm	110 mm	150 mm	110 mm	
	Max Lateral Offset	15 mm	13.5 mm	15 mm	18 mm	15 mm	
	Max Angular Offset	20 mm	20 mm	20 mm	20 mm	20 mm	

Tag Compatibility Information Chart							
Tag Type		GIE-711	GIE-731	GIE-831	GIE-851	GIE-931	
Maximum Range		55 mm	45 mm	80 mm	100 mm	80 mm	
Static Transmission Zone	Typical Height at Sr	22 mm	18 mm	32 mm	40 mm	32 mm	
	Typical Length at Sr	140 mm	92 mm	160 mm	200 mm	160 mm	
	Typical Width at Sr	50 mm	64 mm	55 mm	60 mm	55 mm	
Dynamic Transmission Zone	Minimum Length at Sr	100 mm	64 mm	110 mm	150 mm	110 mm	
	Max Lateral Offset	15 mm	13.5 mm	15 mm	18 mm	15 mm	
	Max Angular Offset	20 mm	20 mm	20 mm	20 mm	20 mm	

Tag Compatibility Information Chart							
Tag Type		OC-56	OC-85	OC-93			
Maximum Range		110 mm	80 mm	80 mm			
Static Transmission Zone	Typical Height at Sr	44 mm	32 mm	32 mm			
	Typical Length at Sr	220 mm	160 mm	160 mm			
	Typical Width at Sr	60 mm	55 mm	55 mm			
Dynamic Transmission Zone	Minimum Length at Sr	160 mm	110 mm	110 mm			
	Max Lateral Offset	18 mm	15 mm	15 mm			
	Max Angular Offset	20 mm	20 mm	20 mm			

Tag Compatibility Information Chart							
Tag Type		OF-56	OF-71	OF-73	OF-83	OF-85	OF-861
Maximum Range		80 mm	55 mm	45 mm	67 mm	80 mm	80 mm
Static Transmission Zone	Typical Height at Sr	13 mm	24 mm	18 mm	28 mm	32 mm	32 mm
	Typical Length at Sr	180 mm	120 mm	90 mm	150 mm	180 mm	180 mm
	Typical Width at Sr	55 mm	50 mm	50 mm	50 mm	55 mm	55 mm
Dynamic Transmission Zone	Minimum Length at Sr	160 mm	85 mm	70 mm	100 mm	160 mm	160 mm
	Max Lateral Offset	20 mm	15 mm	13.5 mm	15 mm	20 mm	20 mm
	Max Angular Offset	20 mm	20 mm	20 mm	20 mm	20 mm	20 mm

Dimensional Drawing

