

Specifications Comparison

MICROQ AND MICROQ BLACK - BUILT-IN FEATURES

FEATURE	MICROQ	MICROQ <i>independent</i>	MICROQ BLACK	MICROQ BLACK <i>independent</i> (BNC Connector)	MICROQ BLACK <i>independent</i> (SMB Connector)	MICROQ BLACK <i>independent</i> (LEMO® with power Connector)
Open Data Formats Cloud Capable	x	x	x	x	x	x
24-bit	x	x	x	x	x	x
102.4 kSa/s 204.8 kSa/s Up to 5 MSa/s	x	x				
2 slots for Modular Signal Conditioning	x	x				
ATTOQ connection (S-Port)	x	x	x	x	x	x
PoE (Power over Ethernet)	x	x	x	x	x	x
PTP (Precision Time Protocol)	x	x	x	x	x	x
Machined from Aluminium Conduction Cooled	x	x	x	x	x	x
Wi-Fi		x		x		
Built-in GPS		x		x		
128 GB SSD		x		x		
Removable SD card					x	x
Internal Battery		x		x	x	x
External Battery compatible		x				
DOCKQ maintenance station compatible		x				

BUILT-IN CHANNELS

Tacho	x	x				
CAN FD	2 Channels	2 Channels	1 Channel	1 Channel	1 Channel	1 Channel
HDI (High Definition Interface)	x	x				
2 ICP® channels (BNC connectors)			x	x		
4 ICP® channels (SMB connectors)			x		x	
4 ICP® power / channels (LEMO® connectors)			x			x

MECHANICAL SPECIFICATIONS

	MICROQ	MICROQ BLACK	MICROQ BLACK <i>i</i>
Maximum Dimensions (W x L x H)	172 x 251 x 53 mm (6.77 x 9.88 x 2")	142mm x 32mm x 18 mm (5.59 x 1.25 x 0.7")	172mm x 36mm x 241mm (6.77 x 1.41 x 9.48")
Weight without built-in Internal MICROQ Battery	1.85 kg (4.08 lbs)	1.5 kg (3.31 lbs)	N/A
Weight with built-in Internal MICROQ Battery	2.25 kg (4.96 lbs)	N/A	2 kg (4.41 lbs)
Weight with Attached External MICROQ Battery	2.70 kg (5.95 lbs)	N/A	N/A
Shock ¹	40 g of shock with 11 ms duration (1.41 oz)	40 g of shock with 11 ms duration (1.41 oz)	40 g of shock with 11 ms duration (1.41 oz)
Vibration ²	0.1 g ² /Hz from 10 to 2000 Hz	0.1 g ² /Hz from 10 to 2000 Hz	0.1 g ² /Hz from 10 to 2000 Hz
Earthing Connector Type	4 mm (0.16") Jack	4 mm (0.16") Jack	4 mm (0.16") Jack
Ambient Operating Temperatures	-40 °C (-40 °F) to 55 °C (131 °F)	-40 °C (-40 °F) to 55 °C (131 °F)	-20 °C (4 °F) to 50 °C (122 °F)
Operating Humidity	5 % - 90 % RH	5 % - 90 % RH	5 % - 90 % RH
Ingress Protection Rating	IP40	IP40	IP40
Typical Mounting	Table top	Table top	Table top
Ground Connector Type	4 mm (0.16") Jack	4 mm (0.16") Jack	4 mm (0.16") Jack
Maximum Internal Frequency	1.25 GHz	2.5 GHz	2.5 GHz
MICROQ Power Supply Input	Power over Ethernet (PoE) IEEE 802.3at Type 2, LTPoE** DC Power LEMO®	Power over Ethernet (PoE) IEEE 802.3at Type 2, LTPoE** DC Power LEMO®	Power over Ethernet (PoE) IEEE 802.3at Type 2, LTPoE** DC Power LEMO®
Voltage (PoE)	42 – 57 VDC	42 – 57 VDC	42 – 57 VDC
LEMO® Power Connector voltage range	10 - 30 VDC	10 - 30 VDC	10 - 30 VDC
Max Power Input	40 W	25 W	25 W
Typical Power Consumption	25 - 30 W	10 - 15 W	10 - 15 W
Ethernet Type	1000BASE-T	1000BASE-T	1000BASE-T
HS Tariff Code	9031	9031	9031

¹ According to IEC 60068-2-27 – Ea and guidance: Shock

² According to IEC 60068-2-06 – Fc: Vibration Sinusoidal