air console | GCAC2-LE-DB9F(DCE) Data sheet

Reset hole

M1.4 screw

Micro USB charging port

Lanyard pin

LED Indicator light
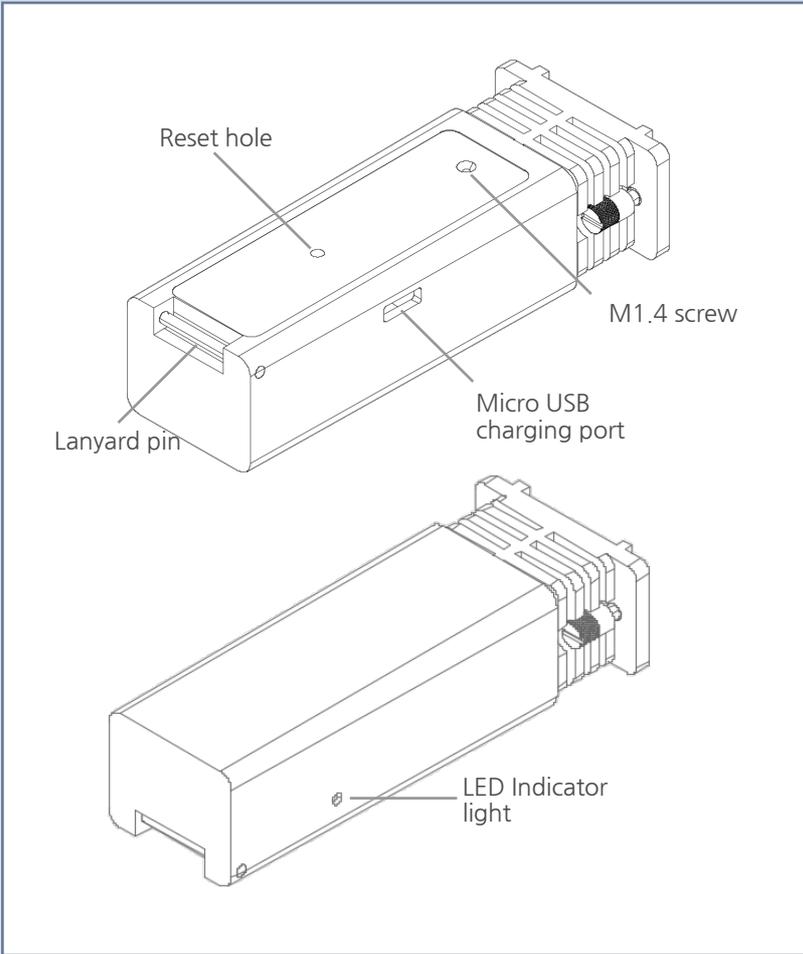
Airconsole LE provides field engineers and network technicians with a reliable low cost adapter for interacting with networking and other industrial equipments via the out of band serial console ports from any bluetooth enabled device - such as an iPhone or Android smartphone.

The lightweight portable adaptor can be cliped to belts and provides seamless connectivity when needed. Simple discovery and secure pairing locks the adaptor to a single operator handheld for audit and logging as required. Just Plug in and connect from your mobile App

Powered by a rechargable Lithium-Polymer battery that lasts for 6+ months of normal operation*, there is no need for battery chargers or daily maintenance. Airconsole LE intelligently powers down automatically when not in use, preserving the battery life. Simply leave plugged in to Serial consoles for convienient secure access on demand

Using an open standard for Serial over Bluetooth Low Energy, including fully documented SDK along with royalty free example code, the Airconsole LE is the hardware of choice for mobile field engineers and working in the direct to store delivery market.

	1	2	3	4	5	6	7	8	9
	-	RXD	TXD	DTR	GND	DSR	RTS	CTS	-
		OUT	IN	IN		OUT	IN	OUT	
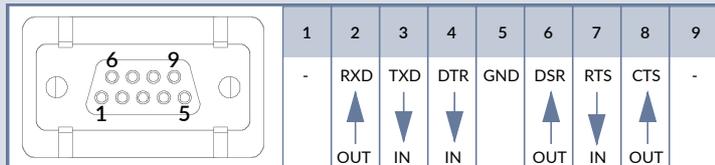
Key Features

Bluetooth Smart 4.2: Uses Bluetooth 4.2 (Low Energy) to connect to mobile devices for reliable transmission of serial data. Data encryption and secure pairing to end user devices built in. Twice the throughput and better range compared with Bluetooth 4.0.

Ultra Energy Efficient: Smart battery technology allows for a single integrated LiPo battery to last for around 6 months typical use*. External power connector for permanent installation and or quick charging.

Android and iOS Support: Native support for Android and Apple iOS devices with our free Terminal Apps, along with Windows 10 and MacOS. One adaptor for use with all the mobile devices your field force currently uses. Our free SDK gets your existing industrial Apps working without the wires.

Product Specifications

Physical

Dimensions (WxLxH):	105mm x 28mm x 23mm
Weight:	35 g (1.2 oz)

Environmental

Operating Temperature:	-5°C to 45°C (19°F to 118°F)
Storage Temperature:	-10°C to 70°C (12°F to 158°F)
Humidity:	0 to 95% relative humidity, (non-condensing)
ESD:	±15KV Air and ±8KV Contact
Environmental Sealing:	Certified to meet IP33 standards for moisture and particle intrusion
Drop:	Withstands multiple 3.3 m (10 ft) drops to concrete
Tumble:	Exceeds 1000 cycles 1 m (3.3 ft) tumbles

External Interfaces

DB9 9-pin straight through connector

Charging/External Power:	5V microUSB B female connection port. Charging cable included
Connectivity:	Wireless Bluetooth 4.2 Low Energy. Backward compatible with 4.1 and 4.0 devices

Power Options*

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Airconsole LE Standard:	230mAH Rechargable Lithium-Polymer integrated battery
Airconsole LE Plus:	430mAH Rechargable Lithium-Polymer integrated battery

*Both models can be charged or powered via external microUSB cable

Application Software

iOS: Get Console Full featured Terminal App
Android: SerialBot Terminal App
Windows: Native 10 Drivers for COM port emulation - then works with any Windows terminal, including PuTTY and SecureCRT
OSX: drivers for tty port emulation

Full iOS/Android SDK available for 3rd Party Applications to quickly add serial port support. Full Software Development Kit available from support.get-console.com

Battery life*

Expected battery life is based on 4 BLE client connections per day totalling 20 mins or less with each interaction transmitting 50kB serial data.

Airconsole LE Standard:	120 - 180 days
	36.5 MB transferred
Airconsole LE Plus:	240 - 360 days
	73 MB transferred

*Battery life is also dependent on external operating temperature and frequency of use. Results may vary from above

Warranty

Air console LE comes with a 12 Month Factory Warranty from date of purchase