



AXONE 4



TEXA

AXONE 4: CLASS LEAD



The AXONE 4 is the very best there is in terms of performance, technology and manufacturing quality.

In designing the AXONE 4, TEXA chose to offer the technician the perfect diagnostic tool, able to combine the power and facilities of the best PCs around, with the hardwearing practicality of the workshop tool; all encased in an exciting modern design.

Using a simple PC to carry out tests on vehicles is a valid solution, but one which certainly comes with a few contraindications, particularly with regards to the suitability of such a delicate device in a challenging workshop environment. The risk of impacts or accidental drops is in fact, rather high and it is all too easy for the PC to come into contact with dirt and liquids. A computer also needs to be moved with the care and attention that a technician cannot always ensure during a busy day's work.

The AXONE4, on the other hand, has been specifically and exclusively designed for the workshop.

It is hardwearing and is water-resistant according to the IP65 standard: the internal components have been developed to withstand knocks and impacts and the unit is sealed against dirt and moisture. Thanks to the latest generation processor and a heat sink integrated into the inner shell, the AXONE 4 requires no cooling fans and is fitted with powerful waterproofed lithium batteries, arranged into two packs of triple cylindrical cells.

The "Marine" version has an extra feature that allows the AXONE 4 to achieve the severe IP67 standard, namely protection against the effect of temporary immersion in water of up to a meter.

A patented solution also means that the AXONE 4 will float if dropped in liquid. These characteristics all come together to guarantee a robust, reliable product, making the AXONE 4 ideally suited to outdoor use too, in difficult conditions such as a roadside repair in the rain or snow.



DING PERFORMANCE

The AXONE 4 is therefore a highly evolved tool that combines the very best in consumer technologies with specific TEXA applications for the multi-brand workshop. The real heart of the AXONE 4 is in fact the IDC4 software, the universal, multi-environment diagnosis system with the most extensive coverage of makes and models available on the market.

The IDC4 software is developed entirely by TEXA and is based on the Windows operating environment, is intuitive and user-friendly. In addition to diagnosis resources, a series of additional data is also available for each vehicle selected, making the IDC4 truly unique. This is, in fact, the innovation that has revolutionised the very concept of the diagnosis tool: as soon as the make, model and engine type has been selected; the unit display immediately shows additional information available. Technical sheets are available on the most important, recurring faults, wiring diagrams and component sheets, complete with explanatory videos and images to guarantee ease of use. An innovative application makes it possible to carry out more frequent interventions and scheduled maintenance immediately, by selecting the individual operations from a specific list. In just a few, simple steps, particularly popular functions can be accessed such as:



Change BMW instrument panel language



Encode SMART keys



PORSCHE 997 service reset



"SOLVED PROBLEMS" FUNCTION POWERED BY GOOGLE

Internet-connection by the means of a built-in Wi-Fi and an access point, the AXONE 4 can query the TEXA databases to find repair procedures that have already been tried and tested. Once the vehicle being worked on has been selected, the technician can send a request directly by keying a description of the problem into a free text field and clicking on a button on the screen. After just a few seconds any relevant information related to their request is displayed on screen. The TEXA servers feature countless solutions to all sorts of problems encountered by call centres all over the world. They are enhanced with additional new solutions added every week.

TGS2 FUNCTION

The **TGS2 (TEXA Global Scan 2)*** allows for the automatic scan of all electronic control units that can be diagnosed. All systems can be scanned, or just a specific group, the software will automatically identify the correct control unit and show if any errors are present. In this case, by clicking on the system in question, you can enter directly to the ECU self-diagnosis, with no need to re-start the specific application.



*Only available in connection with the Navigator nano, NAVIGATOR TXT and NAVIGATOR TXC.

CONTINUOUS UPDATE

As soon as a new model is available, it is already on your AXONE 4!

All customers connected to the internet can use the new continuous software update mode: TEXA allows you to download updates relating to the self-diagnosis for new vehicles and new models as soon as they are available, without having to wait for a complete version update at the next periodic interval.



AXONE 4: ALWAYS ON-LINE



When connected to the internet, the AXONE 4 enables the use of a range of fundamental services in order to carry out repairs while saving time and money: SOLVED PROBLEMS, CALL CENTRE (by means of VOIP), REMOTE ASSISTANCE**, CONTINUOUS UPDATE and BULLETIN downloads.

Thanks to the built-in Wi-Fi module, the AXONE 4 enjoys a wireless connection to the workshop internet service. In addition to the Wi-Fi module, the version can be requested with the GPS-HSDPA telephone module, which works via a SIM card, allowing connection to the network of the provider for data exchange. However, the AXONE 4 also has an additional, unique possibility, in that it can access the internet when outside the workshop using a connection to a Smartphone (if compatible) as a HOTSPOT.

THE BEST RESOLUTION IN ALL CONDITIONS

The AXONE 4 has the typical design of the modern touch screen tablet PCs: the large, impressive 9.7" TFT touch window screen boasts a 1024x768 resolution guarantees excellent visibility in all conditions. Like the most modern consumer products, the AXONE 4 has been fitted with a function that allows for the displayed image to rotate to a vertical or horizontal position which will adapt to all operating situations.

All the functions are accessed via the touchscreen display, or by using tools multifunction key. The only additional button is the power on/off.



A HEART AS "SOLID" AS A ROCK

The AXONE 4 is entirely comparable with a top-of-the-range industrial PC, and is equipped with a powerful Intel Atom processor, with 1 Gb of RAM to ensure speed and power at the highest level. A decidedly "non-standard" component then completes the AXONE 4 features: a 32 GB solid state (no moving parts) hard drive, guaranteeing a reliable product that consumes less power and requires less cooling.

AN IMAGE SAYS MORE THAN A THOUSAND WORDS

Amongst its standard features, the AXONE 4 also includes a VGA camera with CMOS sensor for a clearer image.

This is an accessory that can prove to be extremely useful for the technician. It can, for example, be used when ordering spare parts, attaching the picture of the part to be replaced for greater clarity.

The camera can also be used to document the procedure of dismantling a particular system, which can then be saved and viewed at a later stage.



ABLE CHARACTERISTICS



ALWAYS CONNECTED, EVEN BY SMARTPHONE

The AXONE 4 flaunts a revolutionary, exclusive function that enables access to the internet when outside the workshop. By using a standard Smartphone (check the list of compatible telephones on www.texa.com/smartphone) as a HOTSPOT, it can be connected in any situation, outside the workshop.

INFINITE POTENTIAL WITH DUAL CONTROL

Thanks to Bluetooth technology, the AXONE 4 features wireless connection to all TEXA tools for diagnosis and emissions analysis. For self-diagnosis tests, the Navigator nano has been specifically developed. This is an innovative miniaturised interface that communicates with all TEXA display units, but cannot be connected to a normal commercial PC. The DUAL CONTROL function will also allow the AXONE 4 to communicate simultaneously with two different interfaces: for example, self-diagnosis can be performed on a component whilst the signal is studied with an oscilloscope.



THE TEXA EXPERT AT YOUR SIDE, WITH A SIMPLE "TOUCH"

The telephone and internet connection allows for the use of the AXONE 4 in "REMOTE ASSISTANCE" mode**. This is thanks to the optional AUDIO KIT, and enables TEXA staff to assist remotely, and control the tool if the technician has the specific call-centre support service. This is no longer merely a telephone conversation, but a real remote assistance service. With the option of real time operation of the application by the TEXA operator, to solve certain problems or carry out specific procedures directly on the tool.



A SOLUTION FOR PASS-THRU

AXONE 4, in addition to connecting to the manufacturers' sites to have access to technical data, can run directly the PASS-THRU reprogrammings of ECUs*, when allowed by the very manufacturer and connected to a specifically enabled TEXA interface. In order to do this, AXONE 4 does not need any PC connected to the internet unlike the competitors' products, and works as a real PC.

* Check compatibility on www.texa.com/passthru and the functions enabled by the different manufacturers.

**Service not available in every country. Check availability with your preferred retailer.

AXONE 4 AND NAVIGATOR NANO: A WINNING PAIR



The AXONE 4 can be combined with any TEXA diagnosis interfaces. However, in terms of practicality of use, minimal dimensions and its great versatility, the Navigator nano is clearly the ideal solution, enabling work on cars, light commercial vehicles, motorbikes, jet skis, quads and scooters.

High technology and reduced dimensions

The Navigator nano is equipped with a latest generation electronic board that significantly reduces its size. This increases its practicality of use and decreases the space taken up within the vehicle, allowing the Navigator nano to be housed directly in the OBD socket, without needing to be rested on the seat or dashboard, or with inconvenient wires inside the vehicle.

Wireless is our philosophy

The Navigator nano self-powers from the diagnosis socket and requires no cables connecting to the vehicle battery. It also connects to the AXONE 4 in wireless mode, thanks to Bluetooth technology, communicating within a range of 30 metres around the vehicle. The technician can therefore work comfortably inside and outside their workshop, never losing the connection with the diagnosis instrument.

Self-diagnosis at 360° and PASS-THRU

The renowned Navigator nano on-board software is IDC4 Plus, that guarantees a complete and thorough diagnosis. It is also entirely compatible with J2534 PASS-THRU protocol. This means that it is able to communicate with manufacturers'* websites through internet-connected AXONE 4, allowing for reprogramming of ECUs as provided by SAE standards.

* Check compatibility on www.texa.com/passthru and the functions enabled by the different manufacturers.



A BLUETOOTH TOOL FOR EACH AND EVERY TEST

COMPATIBLE TOOLS

SELF-DIAGNOSIS



Navigator nano



NAVIGATOR TXC



NAVIGATOR TXT



NAVIGATOR TXB



NAVIGATOR TXM



ON-BOARD DIAGNOSIS



OBD Log



OBD MATRIX



EMISSIONS ANALYSIS



RC2



RC3



OPABOX Autopower



GASBOX Autopower



MEASUREMENTS



TwinProbe



UNIPROBE



TECHNICAL FEATURES

AXONE 4

- Processor:** INTEL Atom Z530, 1.6GHz
- SDRAM Memory:** 1 GB DDR2
- Hard Disk:** 32GB SSD Sata
- Operating System:** Windows Embedded Standard
- Display:** 9.7" SVGA 4:3 colour TFT-LCD with LED backlight and laminated resistive touch panel
- LED:** On/Off, Standby
- Audio:** one Buzzer and one speaker actuator
- Multimedia:** CMOS sensor camera, minimo VGA minimum
- Battery:** two packs 3S 11.1V Li-Polymer 2500mAh each
- Backup Battery:** 3V rechargeable
- External power supply:** 19V 4A power adaptor
- DOCKING STATION:** for recharging through an external power adaptor, with two USB ports and one Ethernet port.
- Communication connector:** DOCKING connector, with 1 USB, 1 Ethernet, 1 RS232, 1LPC, accessed via waterproof door
- Wireless connection with inbuilt antenna:**
 - Bluetooth class 1 with integrated module,
 - Wi-Fi 802.11b/g with internal module,
 - WWAN HSDPA with GPS (optional)
- Memory expansion:** one SDIO slot
- Operating temperature:** 0°C/ +50°C
- Storage temperature:** -20°C/ +60°C
- Operating humidity:** 10% ÷ 80% without condensation
- Protection against water and solid objects:** IP65 (standard EN 60529)
- Dimensions and weight:** 240x180x45mm, 1700 g

Navigator nano

- Microcontroller:** STM32F103G CORTEX 72MHz, FLASH 1024KBytes, SRAM 96 KBytes
- Memory:** SRAM 8MBit, NAND FLASH 132Mbit with HCC SafeFat file system
- Operating System:** EmbOS
- External power supply:** 8 ÷ 16 Volt
- 12V Consumption:** 0.2A typical, 0.6A max in PASS-THRU mode
- Wired connection:** virtual RS232, mini-USB 2.0 connection
- Wireless connection:** Bluetooth (up to a 30 m)
- Electronic switch:** 2-way, 13 independent positions
- Diagnostic connector:** OBD ISO 15031-3
- Operating temperature:** +0°C/ +50°C
- Storage temperature:** -20°C/ +60°C
- Operating humidity:** 10% ÷ 80% without condensation
- Mini-torch:** LED lighting with internal 3.7V 120 mAh battery
- Dimensions and weight:** 90x48x24 mm, 60g

Self-diagnosis protocols

Blink codes, K, L (with 60 mA current protection) ISO9141-2, CAN ISO11898, ISO11519-2, SAE J1850 PWM, SAE J1850 VPW, RS232, EOBD (all protocols) ISO15031-5, ISO15765-4

PASS-THRU*:

- J2534-1** 5 to 20 VDC programmable voltage, switchable onto OBD pins 6, 9, 11, 12, 13, 14, and on the front jack, OBD pin 15 grounding capability 300 mA max, support for parallel protocols

Reference Standards

ETSI EN 301 489, ETSI EN 300 328, CEI EN 60950-1, EUROPEAN DIRECTIVE 1999/5/EC

* Check compatibility on www.texa.com/passthru and the functions enabled by the different manufacturers.



ALL TEXA PRODUCTS
ARE GUARANTEED
FOR 24 MONTHS

To check out the extensive coverage of TEXA products visit
www.texa.com/applicationlist

To view demos showing TEXA instruments in operation visit
www.texa.com/demo

For information on IDC4 compatibility and
minimum system requirements go to
www.texa.com/system

WARNING

The trademarks and logos of vehicle manufacturers in this document have been used exclusively for information purposes and are used to clarify the compatibility of TEXA products with the models of vehicles identified by the trademarks and logos. Because TEXA products and software are subject to continuous developments and updates, upon reading this document they may not be able to carry out the DIAGNOSTICS of all the models and electronic systems of each vehicle manufacturer mentioned within this document. References to the makes, models and electronic systems within this document must therefore be considered purely indicative and TEXA recommends to always check the list of the "systems that can be diagnosed" of the product and/or software at TEXA authorized retailers before any purchase. **The images and the vehicle outlines within this document have been included for the sole purpose of making it easier to identify the vehicle category (car, truck, motorbike, etc.) for which the TEXA product and/or software is intended.** The data, descriptions and illustrations may change compared to those described in this document. TEXA S.p.A. reserves the right to make changes to its products without prior notice.

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