TWN4 LOGI HF

13.56 MHZ PC/SC RFID READER/WRITER WITH NFC SUPPORT



TWN4 Logi HF PCB top view



Desktop version (inlay customizable)

Elatec's TWN4 Logi HF reader/writer allows users to read and write to almost any 13.56 MHz tags and/or labels. It supports all major transponder technologies from various suppliers like ATMEL, EM, ST, NXP, TI etc. and ISO standards like ISO14443A/B (T=CL), ISO15693.

Special features:

- firmware update in the field possible
- onboard 18 kB flash storage, e.g. for storing user accessible non-volatile data
- CCID and PC/SC 2.01
- 3D construction data (STEP) available on request



































TECHNICAL DATA

ANTENNA Integrated U.94-VO, color: black or white DIMENSIONS (L X W X H) Desktop Reader: 88 mm x 56 mm x 18 mm / 3.5 inch x 2.2 inch x 0.7 inch OEM Board: 76 mm x 49 mm x 9 mm / 3.0 inch x 1.9 inch x 0.35 inch POWER SUPPLY 4.3 V - 5.5 V via USB CURRENT CONSUMPTION RF field on: 120 mA typically TEMPERATURE RANGE Desktop, Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) Desktop, Storage: -45 °C up to +75 °C (-49 °F up to +167 °F) RELATIVE HUMIDITY 5% to 95% non-condensing READ-/ WRITE DISTANCE Up to 100 mm / 4 inch, depending on environment and transponder TRANSMISSION SPEED Host: USB Full speed (12 Mbit/s): Air: up to 848 kbit/s MODES OF OPERATION CCID / PC/SC 2.01 MTBF 500,000 hours PCB approx. 10 g (no cable) Desktop approx. 115 g (with cable) ISO14443A: LEGIC Advant¹), MIFARE Classic 1k & 4k EV1, MIFARE Classic, MIFARE Mini, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Plus S, X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Plus S, X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass, SLE44R35, SLE66Rxx (my-d move)³, Topaz ISO14443B: Calypso, Calypso Innovatron protocol, CEPAS, HID ICLASS¹), Moneo, Pico Pass², SRI4K³, SRIX4K³, SRIS12³), SRT512³) ISO18092 ECMA.340: NFC Forum Tag 1-5, Sony FeliCa² ISO15693: EM4x33², EM4x33², EM4x35², HID ICLASS SE/SR¹), ICODE SLI, LEGIC Advant¹), M24LR16/64, MB89R118/119, SRF55Vxx (my-d vicinity)², Tag-it, PicoPass² PERIPHERAL INTERFACES USB OS SUPPORT Windows XP, Vista, 7 (32-64-bit), 8, 8.1, 10, Linux CERTIFICATIONS ROBER CODE(S) T4BT-FB2WEL2-LCCID USB White	TECHNICAE BATTA	
HOUSING Material: ABS UL94-V0, color: black or white Desktop Reader: 88 mm x 56 mm x 18 mm / 3.5 inch x 2.2 inch x 0.7 inch OEM Board: 76 mm x 49 mm x 9 mm / 3.0 inch x 1.9 inch x 0.35 inch POWER SUPPLY 4.3 V - 5.5 V via USB CURRENT CONSUMPTION RF field on: 120 mA typically Desktop, Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) Desktop, Storage: -45 °C up to +75 °C (-49 °F up to +167 °F) RELATIVE HUMIDITY READ- / WRITE DISTANCE Up to 100 mm / 4 inch, depending on environment and transponder TRANSMISSION SPEED Host: USB Full speed (12 Mbit/s): Air: up to 848 kbit/s MODES OF OPERATION CCID / PC/SC 2.01 MTBF 500,000 hours PCB approx. 10 g (no cable) Desktop approx. 115 g (with cable) ISO14443A: LEGIC Advant ¹⁾ , MIFARE Classic 1k & 4k EV1, MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DISFire EV2, MIFARE Plus S, X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass, SLE44R35, SLE66Rxx (my-d move) ²⁾ , Topaz SUPPORTED TRANSPONDERS (STANDARD) SING SRIX4K ³ , SRIX4K ³ , SRI512 ³ , SRT512 ³ , SRT512 ³ , SISO18092 ECMA-340: NFC Forum Tag 1-5, Sony FeliCa ² ISO18092 ECMA-340: NFC Forum Tag 1-5, Sony FeliCa ² ISO1693: EM4x33 ² , EM4x35 ² , HID iCLASS SE/SR ¹ , ICODE SLI, LEGIC Advant ¹), M24LR16/64, MB89R118/119, SRF55Vxx (my-d vicinity) ² , Tag-it, PicoPass ²) PERIPHERAL INTERFACES USB OS SUPPORT Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, 10, Linux CERTIFICATIONS ROHS-II compliant, CE/RED, FCC Single Modular Approval, IC, ACA T4BT-FB2BEL2-LCCID USB Black		````
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Desktop approx. 115 g (with cable) SO14443A: LEGIC Advant¹), MIFARE Classic 1k & 4k EV1, MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2, MIFARE Plus S, X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass, SLE44R35, SLE66Rxx (my-d move)², Topaz SO14443B: Calypso, Calypso Innovatron protocol, CEPAS, HID iCLASS¹), Moneo, Pico Pass²), SRI4K³), SRIX4K³), SRI512³), SRT512³) SO18092 ECMA-340: NFC Forum Tag 1-5, Sony FeliCa²) ISO15693: EM4x33²), EM4x35²), HID iCLASS SE/SR¹), ICODE SLI, LEGIC Advant¹), M24LR16/64, MB89R118/119, SRF55Vxx (my-d vicinity)²), Tag-it, PicoPass²) PERIPHERAL INTERFACES USB OS SUPPORT Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, 10, Linux CERTIFICATIONS ROHS-II compliant, CE/RED, FCC Single Modular Approval, IC, ACA T4BT-F82BEL2-LCCID USB Black	WEIGHT	PCB approx. 10 g (no cable)
LEGIC Advant ¹⁾ , MIFARE Classic 1k & 4k EV1, MIFARE Classic, MIFARE Mini, MIFARE DESFire EV2, MIFARE Plus S, X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass, SLE44R35, SLE66Rxx (my-d move) ²⁾ , Topaz ISO14443B: Calypso, Calypso Innovatron protocol, CEPAS, HID iCLASS ¹⁾ , Moneo, Pico Pass ²⁾ , SRI4K ³⁾ , SRIX4K ³⁾ , SRIX4K ³⁾ , SRT512 ³⁾ , SRT512 ³⁾ ISO18092 ECMA-340: NFC Forum Tag 1-5, Sony FeliCa ²⁾ ISO15693: EM4x33 ²⁾ , EM4x35 ²⁾ , HID iCLASS ¹⁾ , HID iCLASS SE/SR ¹⁾ , ICODE SLI, LEGIC Advant ¹⁾ , M24LR16/64, MB89R118/119, SRF55Vxx (my-d vicinity) ²⁾ , Tag-it, PicoPass ²⁾ PERIPHERAL INTERFACES USB OS SUPPORT Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, 10, Linux CERTIFICATIONS ROHS-II compliant, CE/RED, FCC Single Modular Approval, IC, ACA T4BT-FB2BEL2-LCCID USB Black		Desktop approx. 115 g (with cable)
PERIPHERAL INTERFACES USB OS SUPPORT Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, 10, Linux CERTIFICATIONS RoHS-II compliant, CE/RED, FCC Single Modular Approval, IC, ACA ORDER CODE(S) T4BT-FB2BEL2-LCCID USB Black		LEGIC Advant ¹⁾ , MIFARE Classic 1k & 4k EV1, MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2, MIFARE Plus S, X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass, SLE44R35, SLE66Rxx (my-d move) ²⁾ , Topaz ISO14443B: Calypso, Calypso Innovatron protocol, CEPAS, HID iCLASS ¹⁾ , Moneo, Pico Pass ²⁾ , SRI4K ³⁾ , SRIX4K ³⁾ , SRI512 ³⁾ , SRT512 ³⁾ ISO18092 ECMA-340: NFC Forum Tag 1-5, Sony FeliCa ²⁾ ISO15693: EM4x33 ²⁾ , EM4x35 ²⁾ , HID iCLASS ¹⁾ , HID iCLASS SE/SR ¹⁾ , ICODE SLI, LEGIC Advant ¹⁾ ,
CERTIFICATIONS RoHS-II compliant, CE/RED, FCC Single Modular Approval, IC, ACA ORDER CODE(S) T4BT-FB2BEL2-LCCID USB Black	PERIPHERAL INTERFACES	* * *
CERTIFICATIONS RoHS-II compliant, CE/RED, FCC Single Modular Approval, IC, ACA ORDER CODE(S) T4BT-FB2BEL2-LCCID USB Black	OS SUPPORT	Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, 10, Linux
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UBDEB CODE(Z)	ORDER CODE(S)	
		T4BT-FB2WEL2-LCCID USB White

¹⁾UID only 2)UID only, read/write on request 3)On request

