

100/1000BASE-T1 MediaConverter hMTD

Cable Set

November 2020

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1 GENERAL INFORMATION

1.1 Functionality and Features of the 100/1000BASE-T1 MediaConverter hMTD



Figure 1-1: 100/1000BASE-T1 MediaConverter hMTD

The **Technica Engineering 100/1000BASE-T1 MediaConverter hMTD** transmits data frames directly from the physical layer 100/1000BASE-T1 to the physical layer 100BASE-TX or 1000BASE-T with deterministic and constant delay of about 2 μ s.

1.1.1 Features





- 1 Port 100/1000Base-T1 Ethernet with Marvell 88Q2112 A2 Transceiver, 100/1000 MBit/s Full duplex on a single unshielded twisted pair with hMTD Connector
- 1 Port 100BASE-TX / 1000BASE-T1 Ethernet with RJ-45 connector
- Robust steel case
- 4 DIP Switches for easy configuration
- Support of 1000BASE-T1 IEEE and Marvell Legacy Mode.



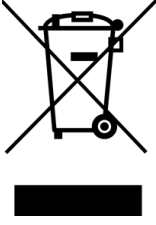

1.1.2 LINKS

The user can download the latest firmware and documentation for the 100/1000BASE-T1 MediaConverter here:

<https://technica-engineering.de/produkt/100-1000base-t1-mediaconverter-hmtd/>



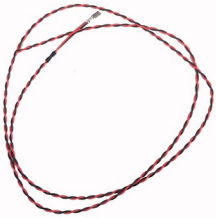
1.2 Warranty and Safety Information

	<p>Before operating the device, read this manual thoroughly and retain it for your reference.</p> <p>The latest documentation for the 100/1000BASE-T1 Media Converter hMTD can be downloaded here: https://technica-engineering.de/produkt/100-1000base-t1-mediaconverter-hmtd/</p>
	<p>Use the device only as described in this manual. Use only in dry conditions. Do not insert any foreign object in the slots/openings of the housing. Do not apply power to a damaged device. The device may only be used by specialists.</p>
	<p>Do not open the device. Otherwise warranty will be lost.</p>
	<p>This product is intended for use in automobiles or automotive-like environments. An automotive-like environment includes test setups or test benches in the office, laboratory and workshop areas. In the test setups the same environmental conditions apply as in vehicle electrical systems. Technica Engineering products are not intended to be used as standard IT equipment. The test systems and products from Technica Engineering are designed as customer and application-specific test modules that are only used by specialists for development and test facilities.</p> <p>When integrating the modules in a vehicle or test set-up, the user must ensure appropriate ventilation or air convection.</p> <p>Technica Engineering products must not be considered as a safety element out of context when using safety-critical systems and must be included in the safety assessment when used. The development class in a safety system must be taken into account with standard QM referred to ISO26262.</p>

	 The device can get hot. Do not cover the device due to fire danger. Do not place the device near to highly flammable materials due to fire danger. Do not use the device above the specified operating temperature. The operating temperature is the ambient temperature of the installation space.
	This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal. Technica Engineering GmbH is registered as manufacturer of the brand "Technica Engineering" and the device type "Small devices of Information- and Telecommunications- technology for exclusive use in non-private Households". WEEE reg. No. DE 20776859
	Please refer to CHAPTER 4 for the EU Declaration of Conformity in accordance with Directive 2014/30/EU.

1.3 Cable Set from 100/1000BASE-T1 MediaConverter hMTD

The cable set from 100/1000BASE-T1 MediaConverter hMTD include:

Product Description	Photo	Quantity
Rosenberger H-MTD cable Length:2 m. H-MTD port both sides (PRO_1050)		1
Automotive Connectors MQS BU-GEH 6P 1-969508-2 (PRO_1020)		1
Twist-Pair cable red/black Length: 1 meter (PRO_1051)		1
Gold Connector Banana Plug 4mm (PRO_1053)		2
Black banana adapter Plug Size: 4mm (PRO_1054) Red banana adapter plug Size: 4 mm (PRO_1055)		1 piece of each part

2 LIST OF FIGURES

Figure 1-1: 100/1000BASE-T1 MediaConverter hMTD 3

3 CONTACT

If you have any questions regarding this product, please feel free to contact us:

Technica Engineering GmbH
Leopoldstr. 236
80807 München
Germany

Technical support:

support@technica-engineering.de

General information:

Info@technica-engineering.de

Most current user manuals and product information:

<https://technica-engineering.de/>

4 DECLARATION OF CONFORMITY

Български

С настоящото Technica Engineering GmbH декларира, че продуктът Модул за улавяне 100/1000BASE-T1 MediaConverter HmtD (TE-1403), е в съответствие с Директива 2014/30/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Čeština

Tímto Technica Engineering GmbH prohlašuje, že produkt 100/1000BASE-T1 MediaConverter HmtD (TE-1403), je v souladu se směrnicí 2014/30/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Dansk

Hermed erklærer Technica Engineering GmbH, at produktet 100/1000BASE-T1 MediaConverter HmtD (TE-1403), er i overensstemmelse med Direktiv 2014/30/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Deutsch

Hiermit erklärt Technica Engineering GmbH, dass das Produkt 100/1000BASE-T1 MediaConverter HmtD (TE-1403) die Richtlinie 2014/30/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Eesti

Käesolevaga deklareerib Technica Engineering GmbH, et toode hõivamismoodul 100/1000BASE-T1 MediaConverter HmtD (TE-1403), vastab direktiivi 2014/30/EL nõuetele.

Eli vastavusdeklaratsiooni tielik tekst on kttesaadav jrgmisel internetiaadressil:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

English

Hereby, Technica Engineering GmbH declares that the product 100/1000BASE-T1 MediaConverter HmtD (TE-1403), is in compliance with Directive 2014/30/EU. The full text of the EU declaration of conformity is available at the following internet address:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Español

Por la presente, Technica Engineering GmbH declara que el producto 100/1000BASE-T1 MediaConverter HmtD (TE-1403), es conforme con la Directiva 2014/30/UE. El texto completo de la declaración UE de conformidad está disponible en la página web siguiente:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Ελληνικά

Με την παρούσα ο/η Technica Engineering GmbH, ότι το προϊόν 100/1000BASE-T1 MediaConverter HmtD (TE-1403), πληροί την οδηγία 2014/30/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Français

Le soussigné, Technica Engineering GmbH, déclare que le produit 100/1000BASE-T1 MediaConverter HmtD (TE-1403), est conforme la directive 2014/30/UE. Le texte complet de la déclaration UE de conformité est disponible l'adresse internet suivante:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Hrvatski

Technica Engineering GmbH ovime izjavljuje da je proizvod 100/1000BASE-T1 MediaConverter HmtD (TE-1403) u skladu s Direktivom 2014/30/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Italiano

Il fabbricante, Technica Engineering GmbH, dichiara che il prodotto 100/1000BASE-T1 MediaConverter HmtD (TE-1403), conforme alla direttiva 2014/30/UE. Il testo completo della dichiarazione di conformità UE disponibile al seguente indirizzo Internet:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Latviešu

Ar šo Technica Engineering GmbH deklarē, ka produkts 100/1000BASE-T1 MediaConverter HmtD (TE-1403), atbilst Direktīvai 2014/30/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta v ietnē:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Lietuvių

Aš, Technica Engineering GmbH, patvirtinu, kad produktas sugavimo modulis 100/1000BASE-T1 MediaConverter HmtD (TE-1403), atitinka Direktyvą 2014/30/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo internet adresu:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Magyar

Technica Engineering GmbH igazolja, hogy a termék 100/1000BASE-T1 MediaConverter HmtD (TE-1403) a 2014/30/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Malti

B'dan, Technica Engineering GmbH, niddikjara li l-prodott 100/1000BASE-T1 MediaConverter HmtD (TE-1403), huwa konformi madDirettiva 2014/30/UE. It-test kollu tad-dikjarazzjoni ta' konformit tal-UE huwa disponibbli f'dan l-indirizz talInternet li ġej:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Nederlands

Hierbij verklaar ik, Technica Engineering GmbH, dat het 100/1000BASE-T1 MediaConverter HmtD (TE-1403) product voldoet aan richtlijn 2014/30/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Polski

Technica Engineering GmbH niniejszym oświadcza, że produkt 100/1000BASE-T1 MediaConverter HmtD (TE-1403), jest zgodny z dyrektywą 2014/30/UE. Pełny tekst deklaracji zgodność I UE jest dostępny pod następującym adre sem internetowym:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Português

O(a) abaixo assinado(a) Technica Engineering GmbH declara que o produto 100/1000BASE-T1 MediaConverter HmtD (TE-1403), está em conformidade com a Diretiva 2014/30/UE. O texto integral da declarao de conformidade está disponível no seguinte endereo de Internet:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Română

Prin prezenta Technica Engineering GmbH declară ca produsul 100/1000BASE-T1 MediaConverter HmtD (TE-1403), este în conformitate cu Directiva 2014/30/UE. Textul

integral al declarației UE de conformitate este disponibil la următoarea adresă internet:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Slovensko

Technica Engineering GmbH potvrdjuje, da je izdelek 100/1000BASE-T1 MediaConverter HmtD (TE-1403), skladen z irektivo 2014/30/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>

Slovensky

Technica Engineering GmbH týmto vyhlasuje, že produkt 100/1000BASE-T1 MediaConverter HmtD (TE-1403), je v slade so smernicou 2014/30/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:

<https://technica-engineering.de/wp-content/uploads/2021/03/eu-konformitaetserklaerung-1403.pdf>