

twareLAB

TW101DB

Datasheet Ver1.0

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1 INTRODUCTION

1.1 KEY FEATURES

- 1 Port Serial-to-Ethernet
- Support DHCP IP Acquisition
- Support DNS Query
- Support NTP Time Query
- Support Time Zone Setting
- TCP/UDP Data Communication
- Ethernet Data Packing Option
- Support Up to 23.04Kbps UART Baud Rate

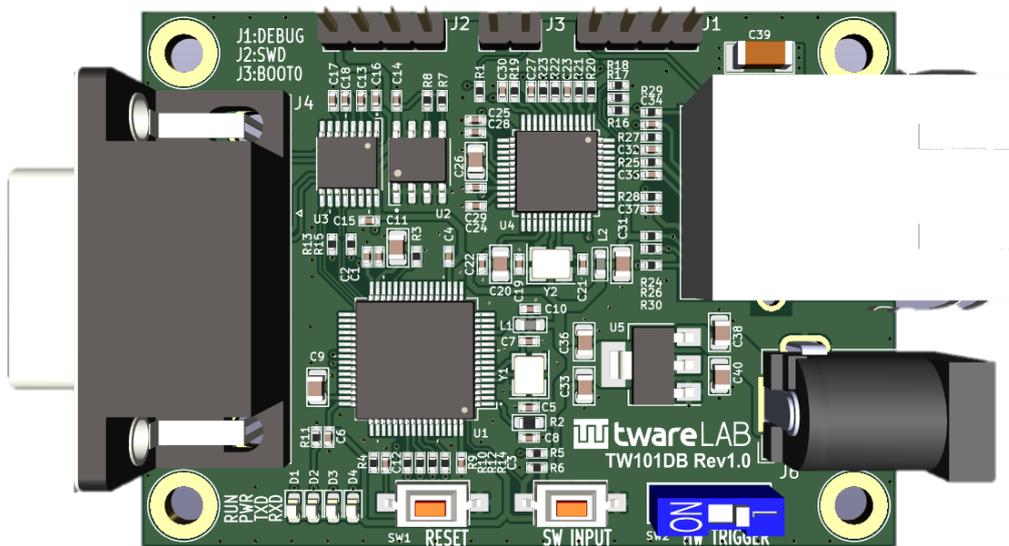
1.2 PRODUCT SPECIFICATIONS

Specification	
MCU	STM32F405RGT6 (RAM: 192Kbyte, FLASH: 1Mbyte) or GD32F405RGT6
LAN	W5500 (10/100Mbps Ethernet)
Serial	1 Port (RS232 Level, DB9 Male Connector)
Console Port	Supported
Dimension	45mm(W)x73mm(H)x18mm(D)
Ethernet	1 Port (RJ45)
Input Power	DC 5V (DC Jack: 3 Pi)
Power Dissipation	Typical: 100mA, Peak: 150mA
Temperature	Operation: 0°C ~ +70°C, Storage: -40°C ~ +85°C
Humidity	10 ~ 80%

2 HARDWARE SPECIFICATION

2.1 DESCRIPTION

- RJ45 embedded (Ethernet Transformer inside)
- DSUB 9 Pin
- DC Jack
- Two Tact Switch
- 1 Slide Switch



3 HISTORY

Date	Description
2025-03-10	V1.0 First Released