PICO-HOBBIT



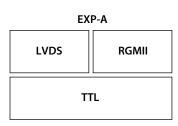


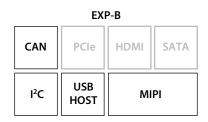
Main Features

- The PICO-HOBBIT reference design is compatible with Intel Edison and TechNexion Pico CoM modules and add a variety connectivity to the Pico CoM making it the ideal candidate for IoT (Internet of Things) applications such as drones, wearables, appliances and robotics.
- The complete schematics, design files, board files and BOM lists of PICO-HOBBIT are available and can be downloaded from the TechNexion homepage.



EDISON				
Power 3.3~4.5V	SDIO	l²S	SPI	PWM
	USB OTG	UART	I ² C	GPIO





Single Channel LVDS (expansion header)

MIPI DSI Display on 33-pin FPC Connector

MIPI CSI signals on 33-pin FPC Connector

1x 3.5 mm jack Stereo Audio in / out

Specifications

Core System

System-on-Module

Compatible with Intel Edison Connector (1x 70-pin Hirose Connector) Compatible with TechNexion Pico Connectors (3x 70-pin Hirose Connector)

Micrel KSZ8084RNB Fast Ethernet LAN

Atheros AR8035 Gigabit LAN RJ-45 LAN Connector

Connectivity

Network

Connector

Expansion

Expansion Pin Headers

Storage USB 1x micro SD cardslot 1x USB 2.0 Host Connector 1x USB 2.0 OTG Connector CAN GPIO PWM I²C SPI UART Single Channel LVDS 24bit TTL RGB

Video

Internal Display

Camera

Audio

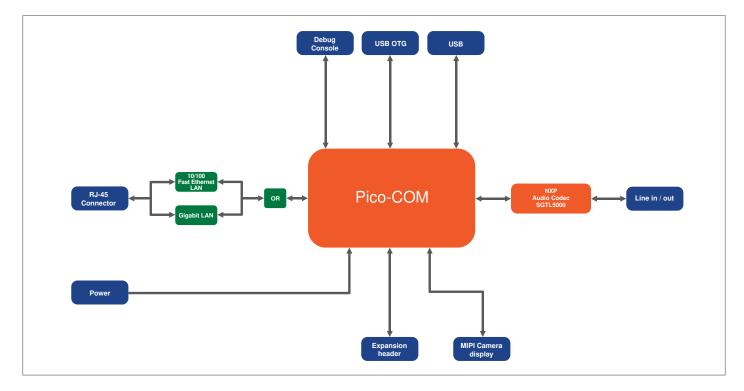
Audio Codec Audio Connectors

Power Specifications

Input Power Power Connector 5 VDC +/- 5% 5.5 / 2.1mm barrel jack

NXP SGTL5000

Block Diagram



Environmental and Mechanical

Temperature Humidity Dimensions

MTBF

Weight

Vibration

Shock

Commercial : 0° to 60° C 10 to 90% 100 x 45 mm 3¹⁵/₁₆in x 1⁴⁹/₆₄in >100,000 hours 30 grams 50G / 25ms 20G / 0-600 Hz

Ordering Information

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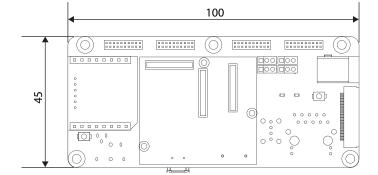
PICO-HOBBIT Baseboard for PICO-COM 10/100 Megabit LAN
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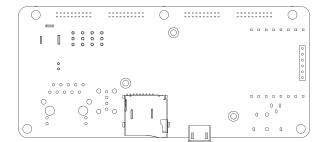
PICO-HOBBIT Baseboard for PICO-COM Gigabit LAN

* Feel free to contact us for custom tailored Carrier Board request for your projects.

Dimensions

(units in mm)





2015-05. All specifications are subject to change without notice.