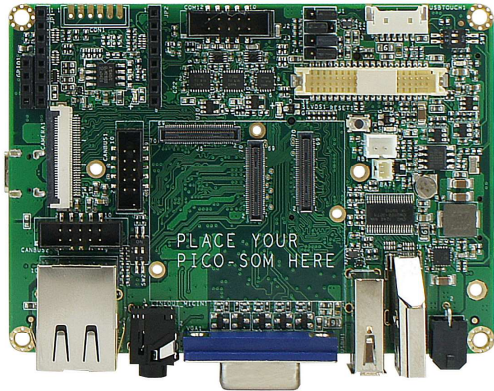


# PICO-NYMYPH



## Main Features

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

### EDISON

Power	SDIO	I <sup>2</sup> S	SPI	PWM
	USB OTG	UART	I <sup>2</sup> C	GPIO

### EXP-A

LVDS	RMII RGMII
TTL	

### EXP-B

CAN	PCIe	HDMI	SATA
I <sup>2</sup> C	USB HOST	MIPI	

## Specifications

### Core System

System-on-Module Compatible with TechNexion Pico Connectors (3x 70-pin Hirose Connector)

### Connectivity

Network Micrel KSZ8084RNB Fast Ethernet LAN  
Atheros AR8031 Gigabit LAN

Connector RJ-45 LAN Connector

### Expansion

Expansion slots M.2 slot  
mini PCIe + SIM card slot

Storage micro SD cardslot

USB USB 2.0 Host Connector  
USB OTG Type C Connector

Expansion Headers CAN  
RS232  
USB

### Mikrobus

GPIO  
UART  
SPI  
I<sup>2</sup>C  
PWM

### Video

External Display VGA Connector  
HDMI Connector

Internal Display Single Channel LVDS  
MIPI DSI Display on 33-pin FPC Connector  
MIPI CSI signals on 33-pin FPC Connector

### Audio

Audio Codec NXP SGTL5000

Audio Connectors CTIA compliant 3.5 mm audio jack

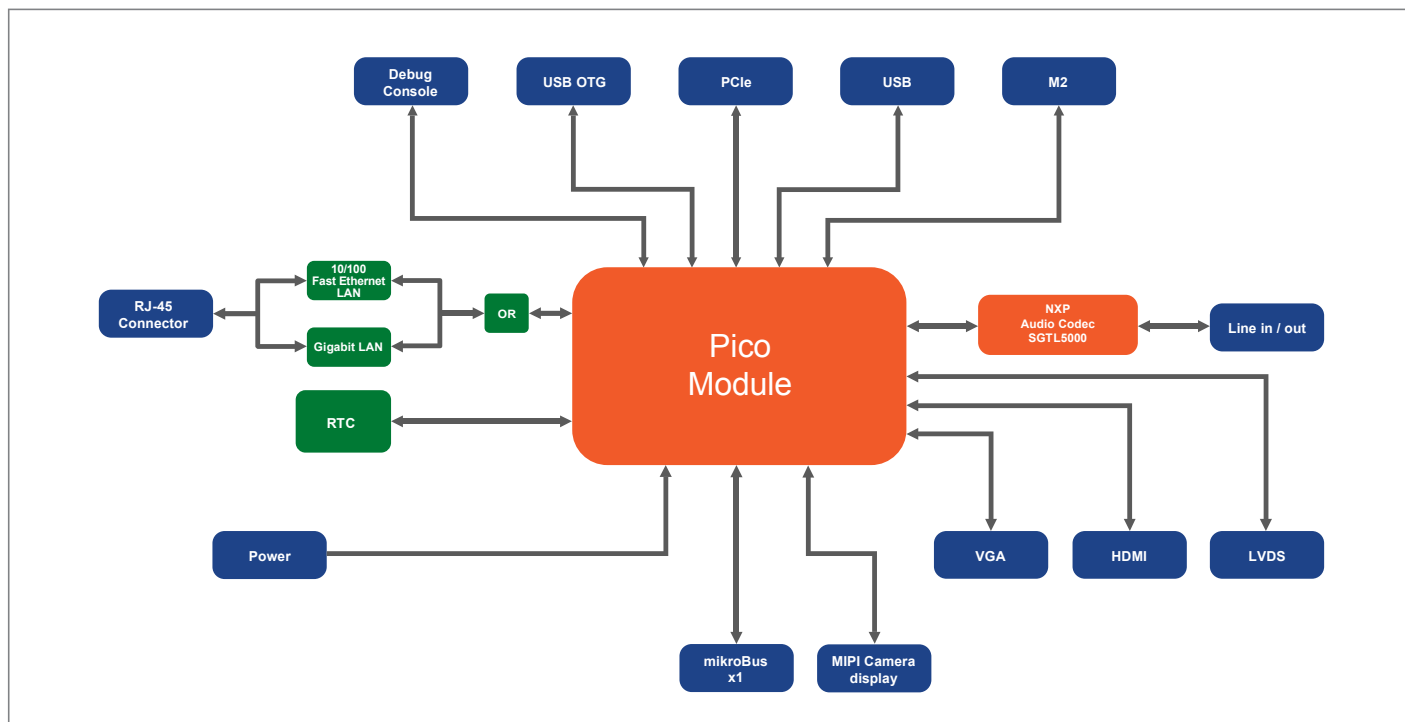
### Power Specifications

Input Power 12V DC +/- 5%

Power Connector Microfit Connector

RTC DS1337+ with backup battery

## Block Diagram



## Environmental and Mechanical

Temperature	Commercial : 0° to 60° C
Humidity	10 to 90%
Dimensions	100 x 72 mm
	3 <sup>15</sup> / <sub>16</sub> x 2 <sup>53</sup> / <sub>64</sub> inch
MTBF	>100,000 hours
Weight	65 grams
Shock	50G/25ms
Vibration	20G/0-600 Hz

## Ordering Information

**PICONYMPHFL**  
 PICO NYMPH CARRIER BOARD WITH FAST ETHERNET LAN

**PICONYMPHGL**  
 PICO NYMPH CARRIER BOARD WITH GIGABIT

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

## Dimensions

(units in mm)

