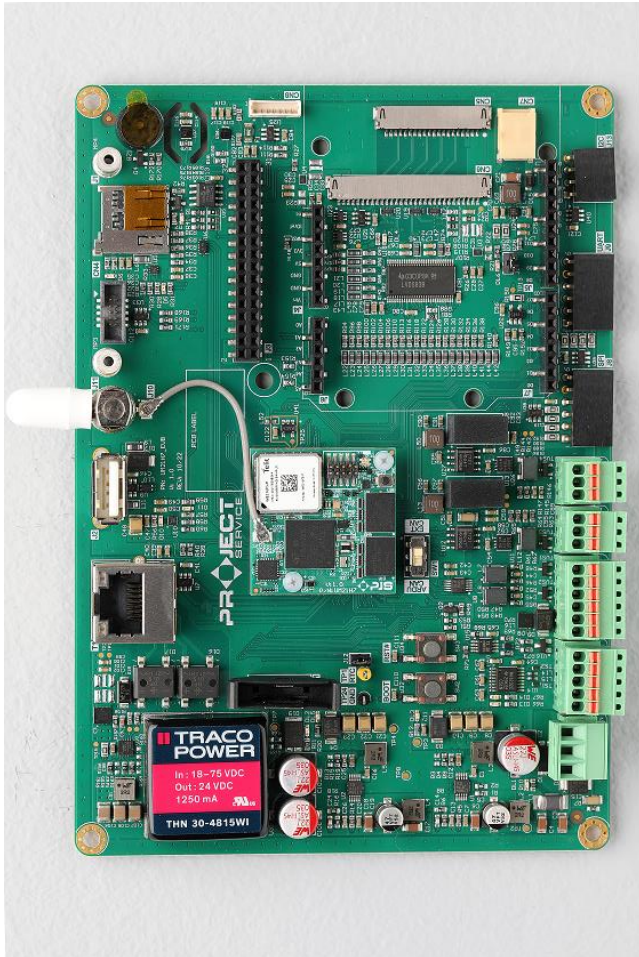




Product Brief: PJS-UM21H7 Carrier Board



The PJS-UM21H7_EVAL supports the UM21H7 (SOM), providing easy access to the full user I/O available.

The carrier board is powered by external DC supply or via POE and generates the necessary power rails for UM21H7 and all peripherals.

The UM21H7-EVAL speeds prototyping and evaluation of UM21H7 and provides an excellent starting point for creating your own UM21H7 carrier board.

The board offers a good mix of features and allows projects with lower volume to save considerable development time by using this general carrier board.

Features

- Two 80-pin board to board Micro-Headers
- 10-pin JTAG header for download/debug
- LVDS Display Interface
- Capacitive Touch Controller
- 10/100 Mbps Ethernet Interface
- USB 2.0 HOST Interface
- uSD Card Interface
- RS-232 & RS-485
- I2C to CAN Interface
- Two FDCAN Interfaces
- Three Diligent Pmod compatible interfaces
- Arduino Interface
- On-Board Expansion Connector
- Reset & Boot push button
- User LEDs
- On-Board Temperature /Humidity / Pressure sensor

Power

- Internal 5VDC @ 2A Regulator for peripherals
- Internal 3.3VDC @ 2A Regulator for UM21H7 & peripherals
- External DC Supply Terminal Block
- POE 25.5W Capable

Target Applications

- Industrial applications like factory, process and building automation
- Test and measurement equipment
- Embedded system-on-module (SOM) applications

Kit Includes:

- I/O Carrier Board
- 24 VDC @ 2A Universal AC/DC
- Getting Started Card

PJS UM21H7 EVAL

