



# TPBox18-AL

Rock solid small-size cost effective solution.

- Apollo Lake Processor Quad Cores
- Wide Range Power Input 12V or 13-36VDC
- Up to 4 x Gbit LAN
- Up to 3 Configurable COM Ports
- DIN rail or wall mounting kit
- Long Life Cycle

# Specifications

|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| Processor             | Intel Atom® x5-E3940 Processor, Quad Core, 2M Cache, 1.6GHz (1.8GHz), 9.5W |
| Memory                | 4GB DDR4 Memory Single Channel LPDDR4 2400MHz                              |
| BIOS                  | Insyde SPI 128Mbit (supports UEFI boot only)                               |
| RTC Battery           | CR2032 Coin Cell                                                           |
| Storage               | 64GB eMMC                                                                  |
| Ethernet              | 2 x Intel® I210IT (10/100/1000Mbps)                                        |
| USB                   | 2 x USB 3.0                                                                |
| Video                 | mini Display Port                                                          |
| Expansion             | 1x MiniPCle for WiFi or LTE connectivity (not avialable on TPBox18H-AL-LC) |
| Front Panel Interface | Power Button and Power LED                                                 |
| Power                 | 12V or 13-36V DC in<br><br>Mating connector included (Phoenix 1827703)     |
| Dimensions            | 110mm x 65mm x 40mm - TPBox18-AL<br><br>110mm x 65mm x 65mm - TPBox18H-AL  |
| Operating Temperature | 0°C - +50°C                                                                |
| Operating Humidity    | 5 to 90% RH                                                                |
| OS Supported          | Windows 10 IoT Enterprise 64-bit, Linux                                    |

# Ordering Information

|             |                                                                                           |
|-------------|-------------------------------------------------------------------------------------------|
| Part Number | Model                                                                                     |
| TP20030009  | TPBox18-AL                                                                                |
| TP20030011  | TPBox18H-AL-UC (with 1x COM RS-232/422/485 + USB 2.0)                                     |
| TP20030012  | TPBox18H-AL-LC (with 1x COM RS-232/422/485 + 2 x Intel® I210IT (10/100/1000Mbps)          |
| TP20030013  | TPBox18H-AL-3DB (with 1x COM RS-232/422/485 + 2 DB9 for custom options (ex. 2x CAN ports) |

