

# ECU-P1628D/1618D

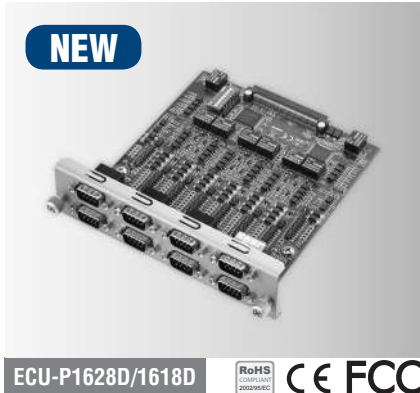
## UNOP-1624D

### UNOP-1514RE/PE

8-port Isolated/Non Isolated RS-232/422/485

4-port Isolated RS-232/422/485 with IRIG B

4-Port Gigabit Base Ethernet Card



## Specifications

### General

- **Connector** 120-pin connector for UNO-4673A/PCI, UNO-4683/PCI, ECU-4784/PCI
- **Dimensions** 5.3" x 6.0" (136 x 150 mm)
- **Power Consumption** 5V ± 5% @ 620mA typical, 3.3V ± 5% @ 75mA typical
- **Certification** CE/FCC

### Communication

- **IRQ** All COM ports use the same IRQ assigned by PCI Bus
- **COM Ports** 8 x RS-232/422/485 ports
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Parity** None, Even, Odd
- **Baud-rate (bps)** RS-232: 50 ~ 115.2 kbps, RS-422/485: 50 ~ 921.6 kbps (max.)
- **Data Signals** TxD, RxD, RTS, CTS, RI, DSR, DTR, DCD, GND for RS-232, Data+, Data-, GND for RS-485, Tx+, Tx-, Rx+, Rx-, GND for RS-422

### Protection

- **Isolation Protection** 2500 V<sub>oc</sub> (ECU-P1628D)

### Environment

- **Operating Temp.** -20 ~ 70°C (-4 ~ 158°F)
- **Operating Humidity** 10 ~ 90% RH non-condensing (refer to IEC 60068-2-3)
- **Storage Humidity** 5 ~ 95% RH non-condensing (refer to IEC 60068-2-3)

## Ordering Information

- **ECU-P1618D-AE** 8-port RS-232/422/485 for UNO-4673A, UNO-4683, ECU-4784
- **ECU-P1628D-AE** 8-port Iso. RS-232/422/485 for UNO-4673A, UNO-4683, ECU-4784

## Specifications

### General

- **Connector** 120-pin connector for UNO-4673A/PCI, UNO-4683/PCI, ECU-4784/PCI
- **Dimensions** 5.3" x 6.0" (136 x 150 mm)
- **Power Consumption** 5V ± 5% @ 500mA typical, 3.3V ± 5% @ 180mA typical
- **Certification** CE/FCC

### Communication

- **IRQ** All COM ports use the same IRQ assigned by PCI Bus
- **COM Ports** 4 x RS-232/422/485 ports
- **Baud rate (bps)** RS-232: 50 ~ 115.2 kbps, RS-422/485: 50 ~ 921.6 kbps (Max.)
- **Data Signals** TxD, RxD, RTS, CTS, RI, DSR, DTR, DCD, GND for RS-232, Data+, Data-, GND for RS-485, Tx+, Tx-, Rx+, Rx-, GND for RS-422

### IRIG Time Code Input

- **IRIG Interface** Male 9-pole D-Sub connector (COM4 or IRIG-B)
- **ST Multi-Mode** Fiber connector
- **Input Signal** Female BNC, RS-422 input signal isolated by optocoupler, Optical signal @ 820nm; TTL
- **Supported Formats** IRIG-B according to IRIG STANDARD 200-04, 200-98

### IRIG Time Code Output

- **IRIG Interface** Male 9-pole D-Sub connector (COM4 or IRIG-B)
- **Output Signal** Female BNC, RS-422 output signal; TTL

### IRIG Time Code Decoding

- **Message syntax** YYYYQQHHMMSS (yr, d, h, min, sec)
- **Resolution of the time** 1s
- **Status info** 1 status LED for indication

### Protection

- **Isolation Protection** 2500 V<sub>oc</sub> for COM/IRIG

### Environment

- **Operating Temp.** -20 ~ 70°C (-4 ~ 158°F)
- **Operating Humidity** 10 ~ 90% RH non-condensing (refer to IEC 60068-2-3)
- **Storage Humidity** 5 ~ 95% RH non-condensing (refer to IEC 60068-2-3)

## Ordering Information

- **UNOP-1624D-AE** 4-port Iso. RS-232/422/485 and IRIG B for UNO-4673A, UNO-4683, ECU-4784

## Specifications

### General

- **Connector** 120-pin connector for UNO-4673A/4683 series PCIe, ECU-4784 PCIe
- **Bus Interface** PCI Express® x 1 compliant
- **Dimensions** 5.3" x 6.0" (136 x 150 mm)
- **Power Consumption** 5V ± 5% @ 400mA typical
- **Certification** CE/FCC

### UNOP-1514PE

- **Connector** SFP
- **Ports** 4
- **Compatibility** IEEE 802.3 Ethernet interface
- **Speed** 1000M bps

### UNOP-1514RE

- **Connector** RJ45
- **Ports 4**
- **Compatibility** IEEE 802.3 Ethernet interface
- **Speed** 10/100/1000M bps

### Environment

- **Operating Temp.** -20 ~ 70°C (-4 ~ 158°F)
- **Operating Humidity** 10 ~ 90% RH non-condensing (refer to IEC 60068-2-3)
- **Storage Humidity** 5 ~ 95% RH non-condensing (refer to IEC 60068-2-3)

## Ordering Information

- **UNOP-1514RE-AE** 4-port RJ45 Gigabit Base Ethernet Card for UNO-4673A, UNO-4683, ECU-4784
- **UNOP-1514PE-AE** 4-port SFP Gigabit Base Ethernet Card for UNO-4673A, UNO-4683, ECU-4784

## Accessories

- **SFP-GTX/RJ45** 1000Base RJ45 SFP module
- **SFP-GSX/LC** 1000Base-SX Multi-mode SFP module
- **SFP-GLX/LC-10** 1000Base-LX Single-mode SFP module (10 km)
- **SFP-GLX/LC-20** 1000Base-LX Single-mode SFP module (20 km)
- **SFP-GLX/LC-40** 1000Base-LX Single-mode SFP module (40 km)