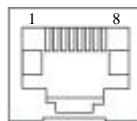


Appendix C. Interface Connections

C.11 ET10/100 10/100BASE-TX Ethernet Interface

When the *ETU-01* is ordered with an *ET10/100 Interface*, the unit is not only an access unit for E1, but also becomes a high performance WAN bridge for 10Base-T or 100Base-TX Ethernet extension. The physical interface is a RJ-45 connector, with the pin assignment as follows:

| MDI | MDI-X |
|--------|--------|
| 1.Tx+ | 1.Rx + |
| 2.Tx- | 2.Rx - |
| 3.Rx + | 3.Tx+ |
| 4.Rx - | 4.Tx- |



Features

- 10/100Mbps Full and Half duplex CSMA/CD MAC
- IEEE802.3x flow control
- Real-time filtering with 256 address table
- Automatic address learning
- Up to 340 packet-buffering capacity
- Auto-MDIX

DIP Switch Settings

| DIP/NO. | STATE | STATE | |
|---------|-------|---------------------------------|-------------------------|
| 1 | ON* | Enable MAC filtering | |
| | OFF | Disable Filtering | |
| 2 | ON | Enable 802.3x flow control | |
| | OFF* | Disable 802.3x flow control | |
| 3 | ON | NO Auto-negotiation | |
| | OFF* | Auto-negotiation | |
| 4 | ON | Half Duplex ¹ | |
| | OFF* | Full Duplex ¹ | |
| 5 | ON | 10BASE-T LAN speed ¹ | |
| | OFF* | 10BASE-T LAN speed ¹ | |
| 6 | ON* | Enable Auto MDIX | |
| | OFF | MDI (1:1 to HUB) | |
| 7 8 | OFF | OFF | Memory configuration #1 |
| | ON | OFF | Memory configuration #2 |
| | OFF | ON | Memory configuration #3 |
| | ON | ON | Reserved |

* factory default settings

¹ no effect when sw3 is off (auto-negotiation is on)

LED Indicators

| Designation | Indication |
|---------------|------------------|
| Full(yel) | ON=Full Duplex |
| Link(gm) | ON=LAN Link |
| Error(red) | ON=LAN Error |
| 100M(yel) | ON=Fast Ethernet |
| Receive(yel) | ON=LAN Rx data |
| Transmit(yel) | ON=LAN Tx data |

Memory configuration detail

#1 LAN to WAN 308 packets, WAN to LAN 32 packets

#2 LAN to WAN 170 packets, WAN to LAN 170 packets

#3 LAN to WAN 32 packets, WAN to LAN 308 packets