

<ZE10 1:1 Serial communication example>

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<Application diagram>

PC-(Serial)- ZE10A(coordinator) -(Zigbee)- ZE10B(Router)-(Serial)- PC

You can 1:1 communicate using two ZE10s.

Also, you can use ZU10 and ZS10 with same configuration.

Below is the configuration flow about above application

1. Network configuration

1.1 Coordinator configuration – ZE10A

```
AT+ NODETYPE=1<CR> #Set node type (coordinator)
OK
AT+ PANID=0001      #Set 16-bit PAN ID
OK
ATZ
OK
```

1.2 Router configuration – ZE10B

```
AT+ NODETYPE=2<CR> #Set node type (Router)
OK
AT+ PANID=0001      #Set 16-bit PAN ID
OK
ATZ                  # Apply to change
OK
```

1.3 End device configuration – ZE10B

```
AT+ NODETYPE=3<CR> #Set node type (End Device)
OK
AT+ PANID=0001      #Set 16-bit PAN ID
OK
ATZ                  # Apply to change
OK
```

After above commands, these ZE10s make the Zigbee network.

2. Data Transmission configuration

2.1 ZE10A configuration

```
AT+ DESTLA=00019500000003d4 #Set the destination IEEE address (input ZE10B
address)
OK
AT+ TRANSMITMODE=1          #Set transmit mode to destination IEEE address
OK
ATZ                          # Apply to change
OK
```

2.2 ZE10B configuration

```
AT+ DESTLA=00019500000003D6 #Set the destination IEEE address (input ZE10A
address)
OK
AT+ TRANSMITMODE=1 #Set transmit mode to destination IEEE address
OK
ATZ # Apply to change
OK
```

These two ZE10s can communicate after above setting.