

ARCNET 介紹及檢修

演講者：JOHNNY / 顏永富

職稱：產品經理

服務單位：利安科技

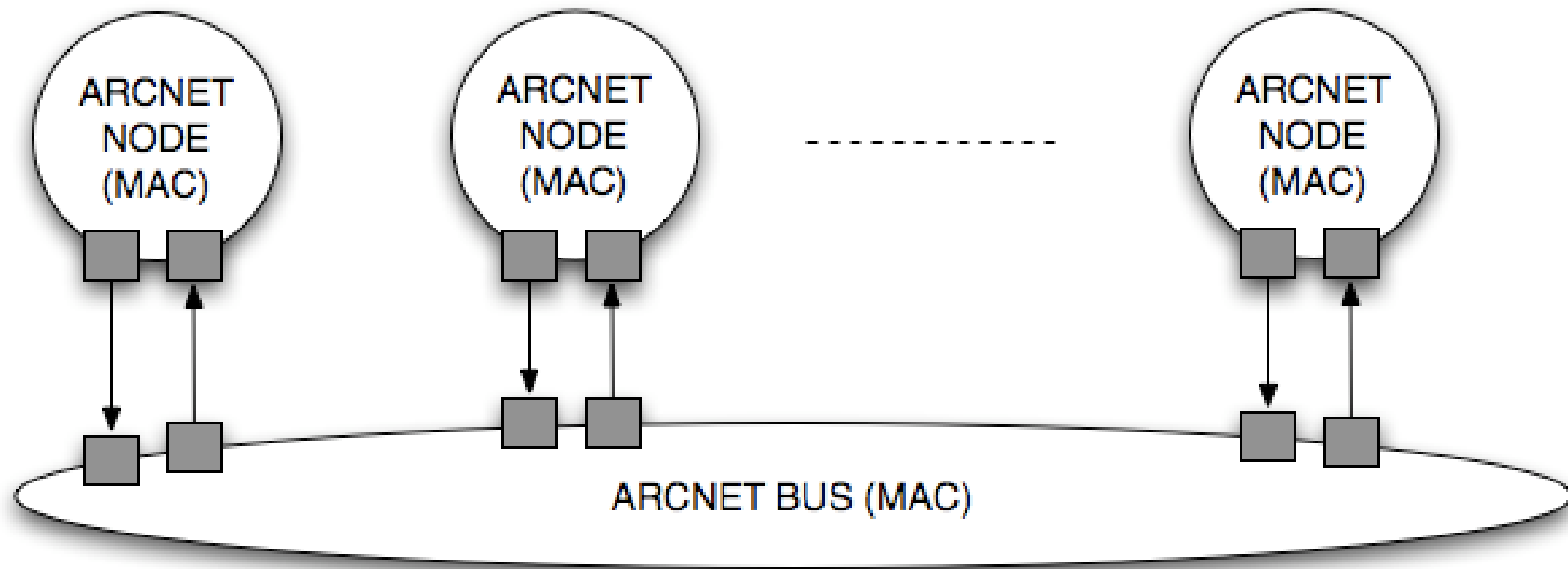
聯絡方式：johnny@bentech-taiwan.com

02-2695-8906

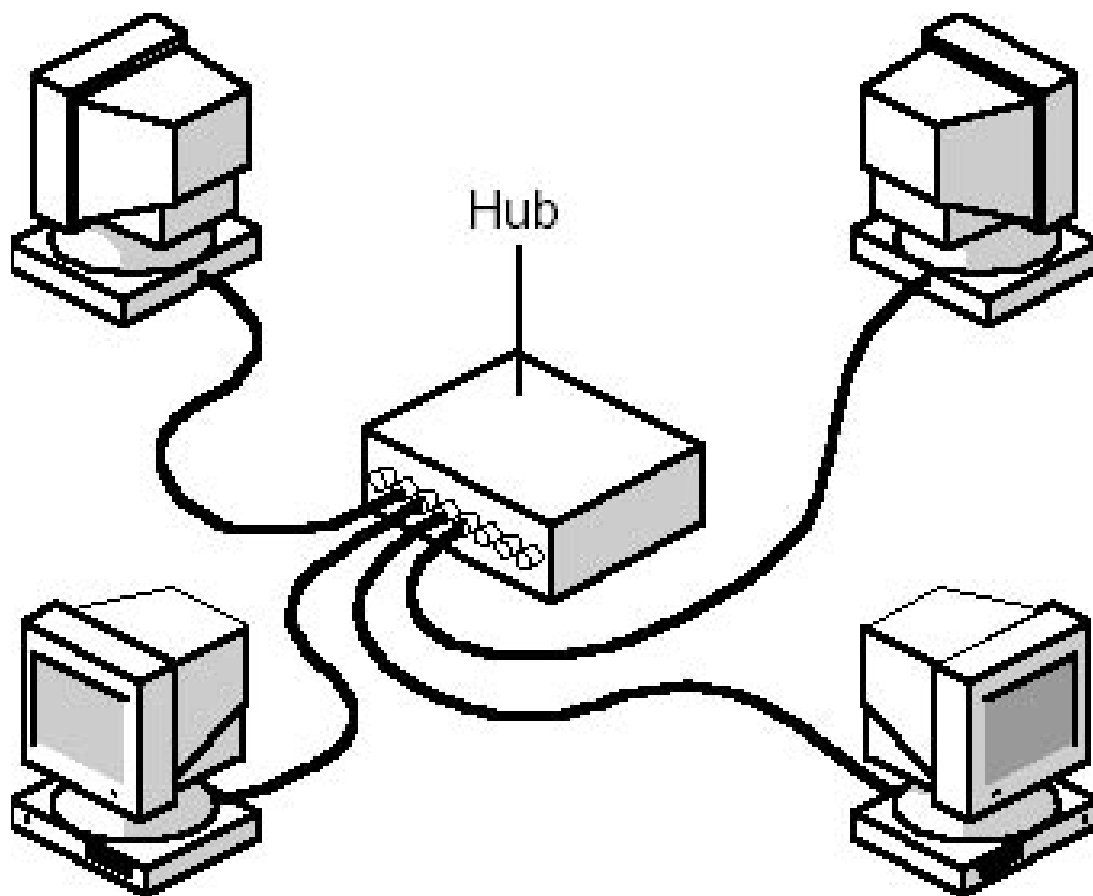
日期：2015/3/23



環狀拓樸



星狀拓樸 (需要HUB)



BNC 接頭



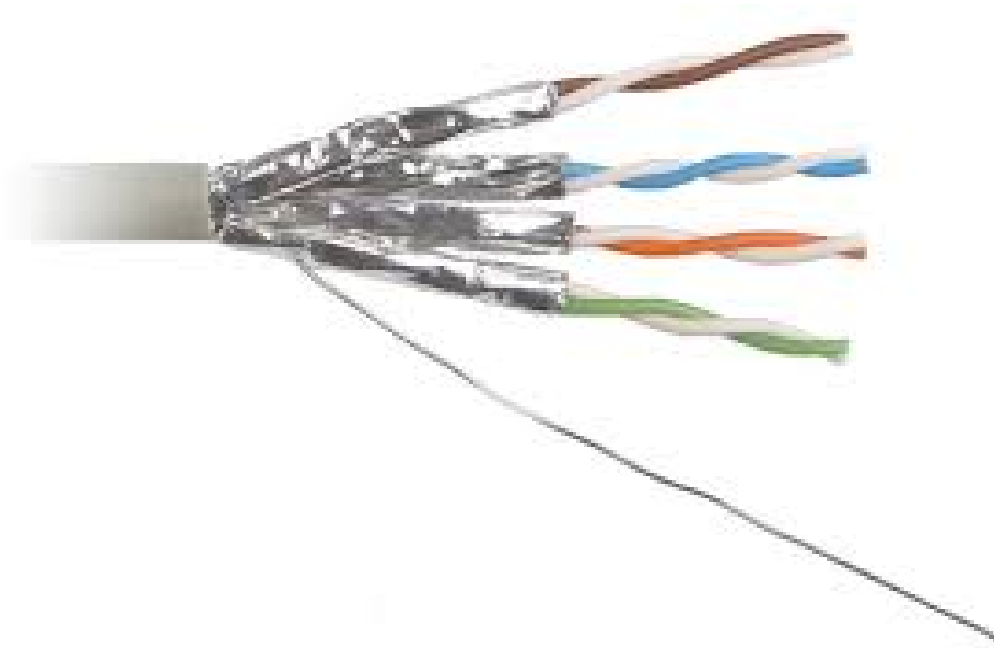
RG58 同軸纜線



RJ11 接頭



STP 遮蔽式雙絞線 Shielded Twisted-Pair



外觀差異

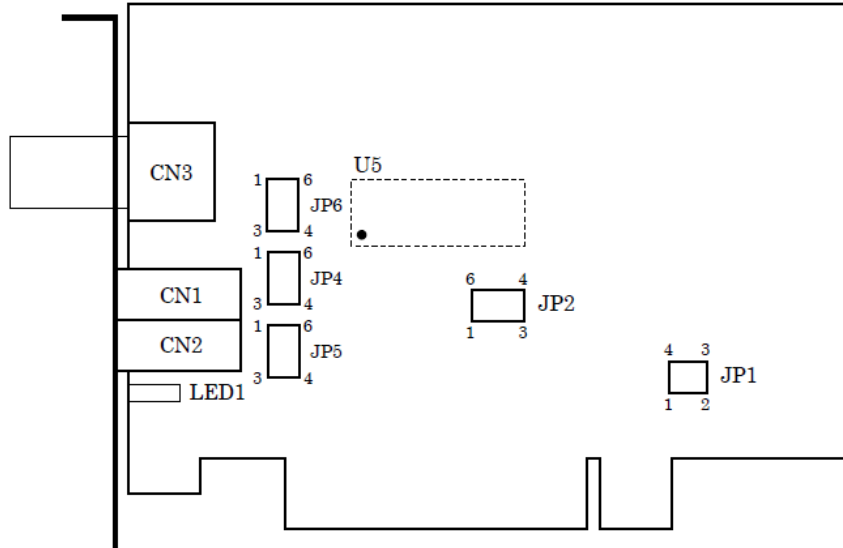


Fig 4: Layout of Adpci1541 Components

1541

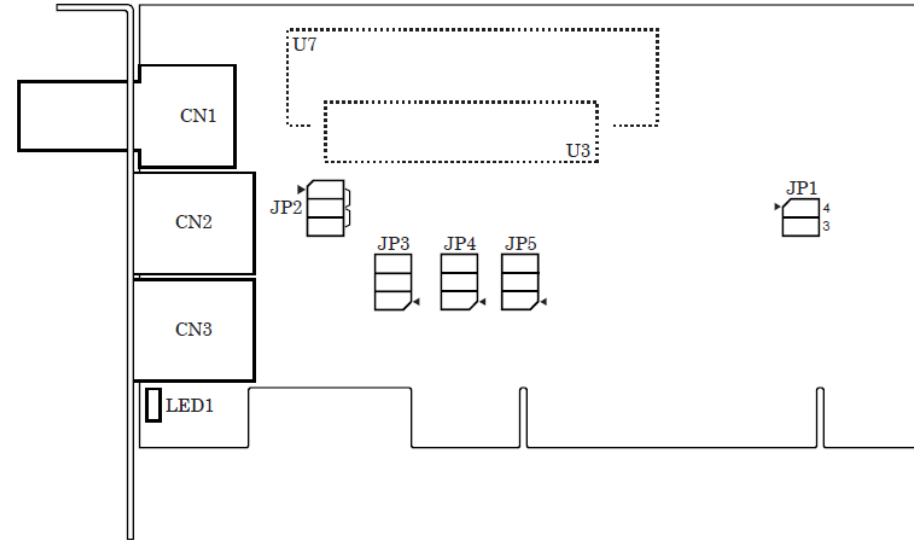
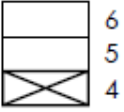
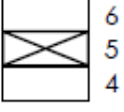
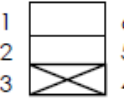
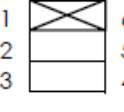
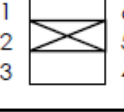


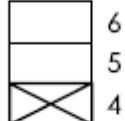
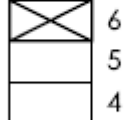
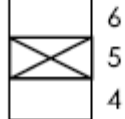
Fig 4: Layout of Adpci1552A Components

1552A

通訊協議設定

Transceiver	JP2	JP4	JP5
SN75ALS1178N	1 2 3		6 5 4
HYC4000 or HYC2000	1 2 3		6 5 4

Transceiver	JP3	JP4	JP5
SN75ALS1178NS	1 2 3		6 5 4
HYC9088	1 2 3		6 5 4
HYC2000 or HYC4000 or HYC5000	1 2 3		6 5 4

	JP4	JP5	JP7
SN75176	1 2 3		6 5 4
HYC9068S-SK または HYC9088S-SK	1 2 3		6 5 4
HYC2485S または HYC2488S	1 2 3		6 5 4

1541

1552A

1526

備註: 客戶使用 SN75ALS1178N 與 SN75176



設定輸出為BNC (CN1) 或是RJ11 (CN2,3)

Connector	JP6
BNC	
Modular	

1541

Connector	JP2
BNC (CN1)	
Modular (CN2,3)	

1552A

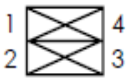
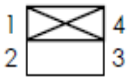


Connector	JP6
BNC	
モジュラ	

1526

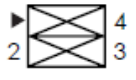
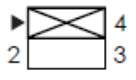
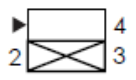
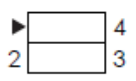
備註:客戶使用 Modular











設定 Device ID ， 一台PC最多可以 插4片卡片 ， ID從0~3

BoardID	JP1	DeviceID
0		02E0
1		02E1
2		02E2
3		02E3

1541

BoardID	JP1	DeviceID
0		02E0
1		02E1
2		02E2
3		02E3

1552A

DeviceID	0020	0021	0022	0023
JP2				
JP1				
ボードID	0	1	2	3

1526

備註:客戶使用 ID 0



軟體設定

The screenshot shows a software configuration window titled "Adpci1541 ID0". The window contains the following settings:

- Board ID:** Radio buttons for ID0 (selected), ID1, ID2, and ID3.
- IO Address (Hex):** An empty text input field.
- IRQ:** A dropdown menu with an empty selection.
- Node ID (Hex):** A text input field containing "01".
- Transceiver:** A dropdown menu set to "DIPULSE".
- Clock Frequency:** A dropdown menu set to "20MHz".
- Clock Prescaler:** A dropdown menu set to "1/8".
- Data Rates:** A text input field containing "2.5Mbps".
- Response Time:** A dropdown menu set to "74.7 (default)".
- Allow this node to join the network when:** Radio buttons for "Power ON" (selected) and "ArcOpen (ArcnetOpen)".

At the bottom of the window are three buttons: "OK", "Cancel", and "Apply".

應用程式

The screenshot shows a software application window titled "Sample" with a blue title bar. The window is divided into several sections:

- Resources:** Contains three input fields for "Node ID (Hex)", "IRQ (Dec)", and "I/O (Hex)". A "Get" button is located below the I/O field.
- Information:** Contains two input fields for "Receive Count" and "Write Result".
- Receive:** Contains a "Packet Contents" text area, a "Source Node ID (Hex)" input field, and "Start" and "Stop" buttons.
- Transmit:** Contains a "Packet Contents" text area, a "Destination Node ID (Hex)" input field, a "Use TxCancel" checkbox, and a "Send" button.

參考文件與軟體

1. Adpci1552A-E.pdf (Adpci1552A Manual)
2. ADP1552A.zip (Apci1542軟體)
3. Adpci1541-E.pdf (Adpci1541 Manual)
4. ADP1541.lzh (Adpci1541 軟體)
5. Adp1526.pdf (Adpci1526 Manual)
6. ADP1526.lzh (Adpci1526 軟體)
7. 下載連結 ([請與我聯繫](#))