Console Port to Cisco Server Cabling

This appendix describes how to interconnect the Console port on the Management Input/Output card (MIO/UMIO) to a Cisco communication server or router equipped with an asynchronous interface module. When so equipped these devices can be configured to function as terminal servers in management networks.

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Introduction

Cisco communication servers and routers can be equipped with asynchronous interface modules as shown in the table below. These modules accept one of two types of serial RJ45 "octopus" cables:

- CAB-HD8-ASYNC – uses a single high-densityVHDC168M connector at the interface module end,
- CAB-OCTAL-ASYNC – uses a single Micro-D68M connector at the interface module end.

Both cable assemblies source eight 10 ft. (3 meter) cables terminated with male RJ45 plugs.

Table 1: Cisco Asynchronous Hardware Interface Module Compatibility

Async IF Module	1900	2500, 2600	2800	2900	3600, 3700	3800	3900	Async RJ45 Adapter Cable
HWIC-8A/S	Yes	—	—	Yes	—	—	Yes	CAB-HD8-ASYNC
HWIC-16A/S	—	—	Yes	Yes	—	Yes	Yes	
NM-16A	—	Yes	—	—	Yes	Yes	—	CAB-OCTAL-ASYNC
NM-32A	—	Yes	—	—	Yes	Yes	—	

Cabling

The figure and table below indicate how the MIO/UMIO Console port connects to an interface module via the asynchronous RJ45 adapter cable and a Cisco rollover cable or coupler.

Figure 1: SR 5500 Console to Cisco CAB Assembly Cabling

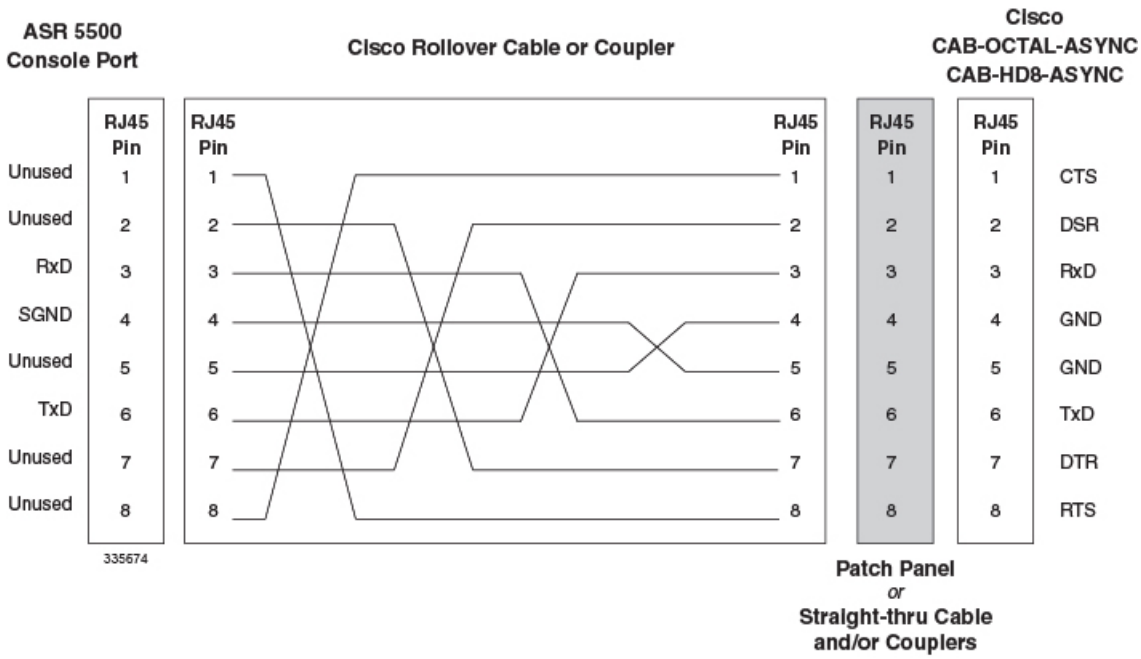

Table 2: ASR 5500 Console Port to Cisco Terminal Server Pinouts

Console Port	**RJ45-to-RJ45 Rollover Cable/Coupler**		**CAB-OCTAL-ASYNC CAB-HD8-ASYNC**	
Signal	**RJ45 Pin**	**RJ45 Pin**	**RJ45 Pin**	**Signal**
Unused	1	8	8	RTC
Unused	2	7	7	DTR
RxD	3	6	6	TxD
SGND	4	5	5	GND
Unused	5	4	4	GND
TxD	6	3	3	RxD
Unused	7	2	2	DSR
Unused	8	1	1	CTS

Configuration

The MIO/UMIO facing interface of the Cisco server should be configured via IOS as shown in the following example:

```
line 0/0/0 0/0/14
  exec-timeout 0 0
  no exec
  transport input all
 speed 115200
```

For detailed information, refer to the Configuration guides supplied with the Cisco device and asynchronous interface module. Configuration guides are available at www.Cisco.com.