



## Access Point Pinouts

This appendix describes the pin signals of the access point Ethernet connectors, and the power injector input and output connectors.

[Table C-1](#) describes the pin signals of the access point LAN connector

**Table C-1** *Access Point LAN Connector Pinouts*

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T)
2	
3	Ethernet signal pair (10/100/1000BASE-T)
6	
4	Ethernet signal pair (10/100/1000BASE-T)
5	
7	Ethernet signal pair (10/100/1000BASE-T)
8	
Shield	Chassis ground

[Table C-2](#) describes the pin signals for the access point PoE-in Ethernet connector. The Pinouts given in this table are applicable to AIR-POWERINJ1500. Not all PoE power sources follow these pinouts.

**Table C-2** *Access Point PoE-In Ethernet Connector Pinouts for AIR-POWERINJ1500*

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T) and DC return
2	
3	Ethernet signal pair (10/100/1000BASE-T) and DC (+)
6	
4	Ethernet signal pair (1000BASE-T) and DC (+)
5	

**Table C-2 Access Point PoE-In Ethernet Connector Pinouts for AIR-POWERINJ1500**

Pin Number	Signal Name
7	Ethernet signal pair (1000BASE-T) and DC return
8	
Shield	Chassis ground

Table C-3 describes the pin signals for the power injector input connector (To Switch).

**Table C-3 Power Injector Input Connector (To Switch) Pinouts**

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T)
2	
3	Ethernet signal pair 10/100/1000BASE-T)
6	
4	Ethernet signal pair (1000BASE-T)
5	
7	Ethernet signal pair (1000BASE-T)
8	
Shield	Chassis ground

Table C-4 describes the RJ-45 pin signals for the power injector output connector (To AP). The Pinouts given in this table are applicable to AIR-POWERINJ1500. Not all PoE power sources follow these pinouts.

**Table C-4 Power Injector AIR-POWERINJ1500 Output Connector (To AP) Pinouts**

Pin Number	Signal Name
1	Ethernet signal pair (10/100/1000BASE-T) and DC return
2	
3	Ethernet signal pair (10/100/1000BASE-T) and DC (+)
6	
4	Ethernet signal pair (1000BASE-T) and DC (+)
5	
7	Ethernet signal pair (1000BASE-T) and DC return
8	
Shield	Chassis ground