Connector Pinouts

This appendix describes the pin signals of the access point AC power connector (MS3112P14-5P), the access point Ethernet (POE) connector (MS3112P14-12P), and the power injector Input and Output connectors. Table E-1 describes the pin signals of the AC power connector.

Table E-1 AC Power Connector (MS3112P14-5P) Pinouts

Pin Number	Signal Name
A	Neutral
B	Line
C	(unused)
D	Case Ground
E	(unused)

Table E-2 describes the pin signals of the Ethernet (POE) connector.

Table E-2 Ethernet (POE) Connector (MS3112P14-12P) Pinouts

Pin Number	Signal Name
A	Ethernet Tx+
B	Ethernet Tx–
C	Ethernet Rx+
D	Ethernet Rx–
E	RS232 TxD[1]
F	RS232 RxD[1]
G	Ground Signal/RS232
H	(unused)
J	(unused)
K	Case Ground
L	DC+ (the DC power goes through a bridge rectifier, so polarity should not be an issue)
M	DC- (this side of the DC power is fused)

1. Not used in the access point outdoor Ethernet cable (AIR-ETH1500-150=).

Table E-3 describes the pin signals for the power injector Input connector (RJ-45).

Table E-3 Power Injector Input Connector Pinouts

Pin Number	Signal Name
1	Ethernet Tx+
2	Ethernet Tx–
3	Ethernet Rx+
4	(unused)
5	(unused)
6	Ethernet Rx–
7	(unused)
8	(unused)

Table E-4 describes the pin signals for the power injector Output connector (RJ-45).

Table E-4 Power Injector Output Connector Pinouts

Pin Number	Signal Name
1	Ethernet Tx+
2	Ethernet Tx–
3	Ethernet Rx+
4	48 VDC power (+)
5	48 VDC power (+)
6	Ethernet Rx–
7	48 VDC power (return)
8	48 VDC power (return)