



Datalogic J Series™ Ethernet Multi Cradle

The Datalogic J Series™ Ethernet Multi Cradle provides power for charging up to four mobile computers simultaneously and also connects up to four mobile computers to an Ethernet network.



Figure 1 – Datalogic J Series™ Ethernet Multi Cradle General View

Key:

- A) Link LED for Ethernet Port 1
- B) Speed LED for Ethernet Port 1
- C) Datalogic J Series™ Charging Status LED
- D) Power supply connector
- E) Ethernet Port 1 (with integrated Link and Speed LEDs)
- F) Ethernet Port 2 (with integrated Link and Speed LEDs)

The Ethernet cradle drivers are pre-installed on the Datalogic J Series™ and initiate automatically when the Datalogic J Series™ is placed in a properly connected Four Slot Ethernet cradle.

When the mobile computer is inserted into the Four Slot Ethernet cradle, the LAN icon indicates that the mobile computer is connected to a network.



NOTE

Ethernet communication requires Datalogic J Series™ PDA SW version 5.41 or later. Verify the software version by tapping on *Software – Version* in the Datalogic default home page. Otherwise, search for the file *version.htm* under the Windows folder.

The green Speed LED lights to indicate that the transfer rate is 100 Mbps. When it is not lit it indicates that the transfer rate is 10Mbps.



NOTE

The maximum bandwidth capacity for each Mobile Computer is 12Mbps.

The yellow Link LED blinks to indicate activity, or stays lit to indicate that a link is established. When it is not lit it indicates that there is no link.

The Speed LED and the Link LED integrated in Ethernet Port 1 and 2 function in the same way.

The Charging Status LED on the mobile computer shows the status of the battery charging. The maximum time required to recharge a completely run-down battery pack is about 2.5 hours for Li-Ion batteries. See Datalogic J Series™ User's Manual par. 3.5.1 for Charging Status LED indications.

Correct Mobile Computer Insertion / Removal

Insert the mobile computer into a slot to begin charging and start communication.

For correct insertion onto the cradle, insert the mobile computer from the top of the cradle and push it down firmly.

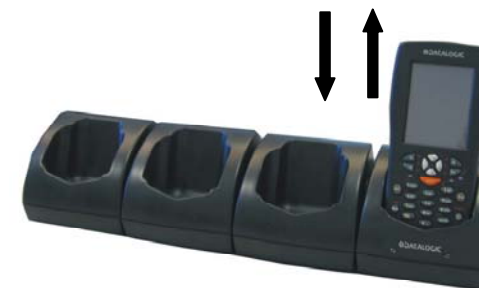


Figure 2 - Mobile Computer Insertion

To remove the mobile computer from the Datalogic J Series™ Ethernet Multi Cradle, simply pull it upwards while holding the cradle firmly down.

Power Supply

Each Ethernet Multi Cradle requires a power supply to be connected to the cradle. We recommend the DL FPS18 power supply.

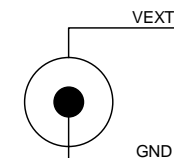



Figure 3 - Power Supply Polarity

CONNECTIONS



Connections should always be made with power OFF!

CAUTION

Ethernet Connection

Connect the Ethernet cradle (Ethernet port 1) to an Ethernet hub or a port on the host device. Connect the Ethernet cradle (power port) to power supply.

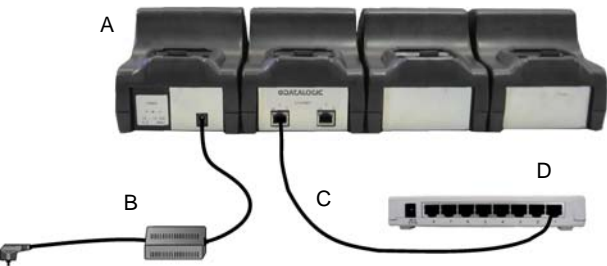


Figure 4 - Ethernet Connection

- Key:
- A) Datalogic J Series™ Ethernet Multi Cradle
 - B) 94ACC4595 FPS18 power supply without power cord
94ACC1150 Power cord EU 3-pin
 - C) UTP CAT 5E cable (recommended use)
 - D) Ethernet hub

Daisychaining Ethernet Connection

To connect several cradles to an Ethernet network, Ethernet cradles may be daisychained. It is recommended not to connect more than 4 cradles in order to maintain the optimal baud rate. The Speed LED and the Link LED on the Ethernet Port 2 function in the same way as the Speed LED and the Link LED on the front of the cradle.

- To daisychain cradles:
1. Connect the first Ethernet cradle to power and to the Ethernet Switch as shown on Figure 4.
 2. Connect power to the second Ethernet cradle.
 3. Connect the daisychain Ethernet cable (either straight or twisted cable can be used) between Ethernet Port 2 of the first cradle, and Ethernet Port 1 of the second cradle.
 4. Connect additional cradles as shown in Figure 4.

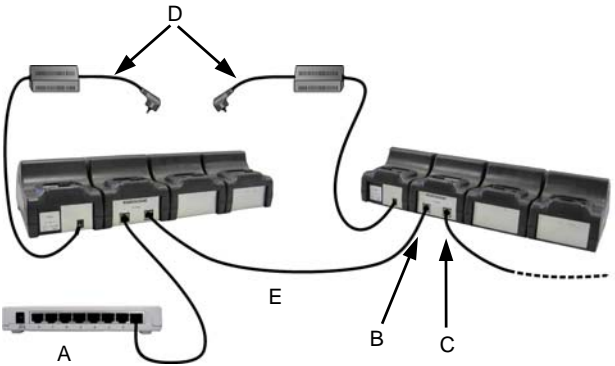


Figure 5 - Daisychaining Ethernet Connection

- Key:
- A) Ethernet hub
 - B) Ethernet Port 1
 - C) Ethernet Port 2
 - D) 94ACC4595 FPS18 power supply without power cord
94ACC1150 Power cord EU 3-pin
 - E) UTP CAT 5E cable (recommended use).

TECHNICAL FEATURES

Electrical Features	
Power supply *	from 12 to 14 VDC ± 5%
Consumption	Max 4.2 A
Indicators	Ethernet Link LED (yellow) Ethernet Speed LED (green)
Charge time (when PDA is off)	max 2.5 hours (Li ION batteries)
Communication Features	
Interface	Ethernet 10/100 Base T
Environmental Features	
Working temperature	0° to +50°C / 32° to 140°F **
Storage temperature	-20° to +70°C / -4° to 158°F
Humidity	90% non condensing
Degree of protection	IP20
Mechanical Features	
Dimensions	480 x 110 x 190 mm 18.89 x 4.33 x 7.48 in
Weight	about 2750 g / 97 oz

* Recommended DL power supply: FPS18.
** Batteries must be charged at a temperature ranging from 0° to 45 °C (+32° to 113°F).