Ethernet Network
This presentation is meant to be a brief summary of Ethernet.

Ethernet allow users to share waypoints, routes, tracks and GPS position information. MAP sharing ONLY available on ONIX, ION, and SOLIX model units.

Sonar and temperature is also shared through the Ethernet Network on like products. Sonar/temperature is not shared from an ION, ONIX, or SOLIX unit(s) to a 700 HD, 800, 900, 1100, or a HELIX 7 G2N, HELIX 9 (G2), HELIX 10 (G2), HELIX 12 (G2) Ethernet compatible unit.

GPS receivers and transducers are plugged into the units the same way they have been whether you use Ethernet or not.

Ethernet is a system for connecting a number of computer systems to form a local area network, with protocols to control the passing of information and to avoid simultaneous transmission by two or more systems.
Multiple Units or Accessories

If you have more than two units and/or accessories such as 360, i-Pilot LINK, or Radar you would also need a 5 port Ethernet Switch (AS ETH 5PXG).

The 360, Radar, and, the i-Pilot LINK accessory would include an Ethernet cable to attach the accessory into the 5 port Ethernet Switch.

The Ethernet Switch requires a 12 volt power source, it does not provide power to attached units or accessories.
Ethernet Cables

Ethernet cables are available in various lengths to suit the consumers’ needs based on boat length:

- 2 foot - AS EC 2E
- 10 foot - AS EC 10E
- 15 foot - AS EC 15E
- 20 foot - AS EC 20E
- 30 foot - AS EC 30E
- 30 foot extension cable - AS ECX 30E
- Ethernet Adapter Cable - AS EC QDE
What is Required?

If you are networking two of the units listed below you would only need one Ethernet Cable.

858c, 858c DI, 898c SI, 958c, 958c DI, 998c SI, 1197c SI, 1198c SI, ONIX, ION, SOLIX
- This includes both Non HD and HD model units.
ONIX, ION, SOLIX Ethernet Connections

ONIX             Ethernet             ION

SOLIX
AS EC QDE - Ethernet Adapter

The AS EC QDE is required for multiple units in order to use the Ethernet networking.

The below units* will require this adapter along with an Ethernet cable.


*KVD version of the above units also require the Ethernet Adapter
AS EC QDE - Ethernet Adapter

HELIX 12 (G2N)

- COM port
- Temp/Speed
- Power
- Ethernet
- Transducer
AS EC QDE - Ethernet Adapter

HELIX 9 (G2N) & HELIX 10 (G2N)

- Power
- COM port
- Temp/Speed
- Ethernet
- Transducer
AS EC QDE - Ethernet Adapter

HELIX 7 G2N (Network Models only)

- Ethernet
- Power
- COM port
- Transducer
AS EC QDE - Ethernet Adapter

Connections on 11x9 HD Ethernet products

- RS 232
- Ethernet
- Power
- COM port
- Temp/Speed
- Transducer
Connections on 8x9 HD and 9x9 HD Ethernet products

- Power
- Ethernet
- COM port
- Transducer
AS EC QDE – Ethernet Adapter

Connections on Ethernet compatible 700 HD products

- 798ci HD SI
- 788ci HD DI
- 788ci HD
- 778c HD

![Diagram of Ethernet adapter connections]

- Power
- Ethernet
- COM port
- Transducer