



DSE Peer-to-Peer Support for All Parker Systems Drives

Supporting Solutions for New Systems and Legacy Upgrades



ENGINEERING YOUR SUCCESS.

Parker Hannifin

Providing peer-to-peer communications solutions

Parker has been the leader in peer to peer communications for high performance drive systems since the introduction of our LINK fiber optic network in 1988. Shortly after the launch of LINK, we also launched our DSD (Drive System Designer) tools which were graphical, self-documenting, and intuitive. DSD included proven application function blocks and powerful diagnostics to make it easier to design and support complex drive systems. DSD became the standard by which other drive configuration tools were measured. In 2003, we launched DSE, an upgraded 32-bit version of the time proven DSD platform. DSE initially supported our AC890 series drives using Firewire 1394A as the medium for peer to peer communications. In 2015, the power of DSE was extended to the DC590+ and AC690+ drive platforms by means of 6055/6053 LINKnet series option cards using CAT6 cable as the communications medium. LINKnet allows for both the upgrade of legacy LINK fiber optic networks and the design of new systems using the same DSE tools used with the AC890. In 2017 a LINKnet card was introduced for the AC890 allowing AC890 based systems to use either LINKnet CAT6 peer to peer or FireWire 1394A based communications with no change in programming. It also allows AC890 drives to share a common network with DC590+ and AC690+ drives.



Since LINKnet supports Ethernet/IP, DSE based systems using LINKnet may be interfaced directly to PLC's with Ethernet/IP capability (no interface or gateway devices required)

Parker's DSE platform for coordinated drive systems offers unparalleled flexibility.

How Flexible is Parker DSE?

- Supports FireWire1394A peer-to-peer on AC890 system and LINKnet CAT6 peer-to-peer on all Parker system drives including AC890.
- Supports direct connection to Ethernet/IP capable PLCs
- Provides visualization platform choices by connecting directly to Parker's TS8000 series and XT series HMIs
- Supports a wide range of field bus communications via option cards
- Provides an upgrade path for legacy SSD LINK fiber optic based systems
- Retains the ease of use customers have come to enjoy while incorporating the latest features and enhanced diagnostics

Also in 2017, on-board LINKnet capability was added to the AC30V range of AC drives. With this addition, DSE may be used to design and support all of Parker's system drives on a single peer to peer network.

For more information on Parker drives, please visit parker.com/emdusa

For more information on LINKnet, please visit solutions.parker.com/linknet

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