

New LAN 2.0 – Enhanced Connectivity

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The optional LAN Interface for Genesys™ power supplies has been upgraded to provide many new features including functionality for users outside of Test and Measurement. We now offer TCP and UDP networking protocols for alternative operating systems, programming languages and controllers. The option maintains LXI-C Certification.

A) Adds TCP and UDP Sockets

LAN 2.0 expands connectivity for many customers beyond standard test software, operating systems and controllers.

B). Change IP Address using Front Panel Current Encoder.

The Current Encoder will change the IP address. Locking in a new address requires a confirmation button press, to prevent accidental changes. Address conflicts (duplicate IP) are prevented.

C) The LAN remains LXI-C Certified.

D). Adds Multiple Controllers

The new LAN allows two or more controller devices to 'talk' to the power supply at the same time. The controllers may use any mix of TCP, UDP or VISA protocols.

E). Duplicate IP Recovery

If the user accidentally sets a duplicate IP address, which is already used by another device, LAN 2.0 will reconnect to the last working address instead of disconnecting from the network. A Front Panel and/or web page alert is posted to the user.

F). Bigger Input Buffer

The number of commands that may be sent at once has been increased from four to twenty commands.

G). Adds Network Security Setting

A new security button, on the web page, can be set for "allow only one controller using a secure protocol" or "allow everybody at the same time" to talk to the power supply. (note: UDP is not a secure protocol, TCP and VISA are secure).

H). Improves Message Terminators

The traditional terminator for messages is the Line-Feed character. The new LAN 2.0 sockets will accept and return the line-feed.

I). Improved LAN User Manual

New manual includes spec on command speed, divides bigger sections into smaller bites, gives smoother flow for the beginner user and has better Specifications and Troubleshooting sections.

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