

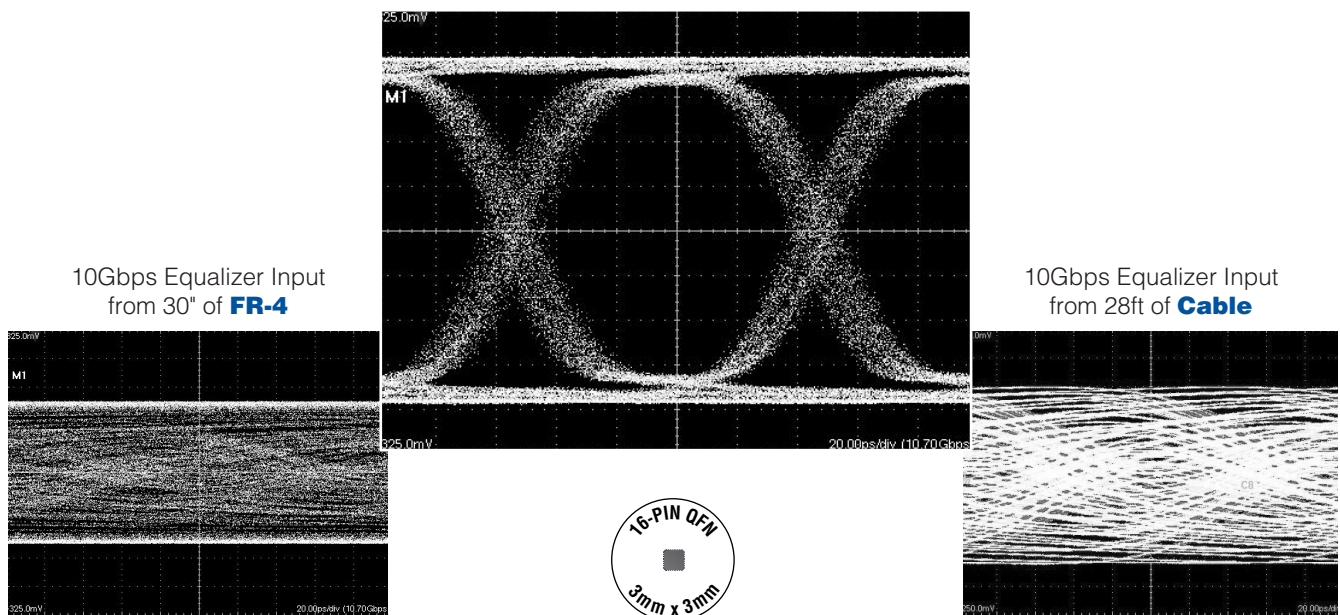
# MOVE 10Gbps SERIAL DATA WITH TINY ADAPTIVE EQUALIZER

## Small 3mm x 3mm QFN; Equalizes Scrambled Data on FR-4 or Cable

The MAX3805 receive equalizer provides up to 21dB of automatically adaptive equalization at 5GHz for signal-integrity applications from 9.95Gbps to 10.7Gbps. It extends the practical transmission distance for 10Gbps serial NRZ data up to 30in (0.75m) of FR-4 or up to 24ft (8m) of cable, enabling low-cost card-to-card, shelf-to-shelf, or rack-to-rack system interconnections. The MAX3805 operates from a 3.3V core supply and allows both input and output to DC-couple to 1.8V, 2.5V, or 3.3V. This tiny 3mm x 3mm QFN chip achieves 18ps<sub>p-p</sub> jitter performance with only 135mW of power consumption at 3.3V. Prices start from \$10.95.<sup>†</sup>

## Only 18ps<sub>p-p</sub> Residual Jitter at 10Gbps!

### MAX3805 Output



<sup>†</sup>1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



[www.maxim-ic.com/fiber/signalintegrity](http://www.maxim-ic.com/fiber/signalintegrity)

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