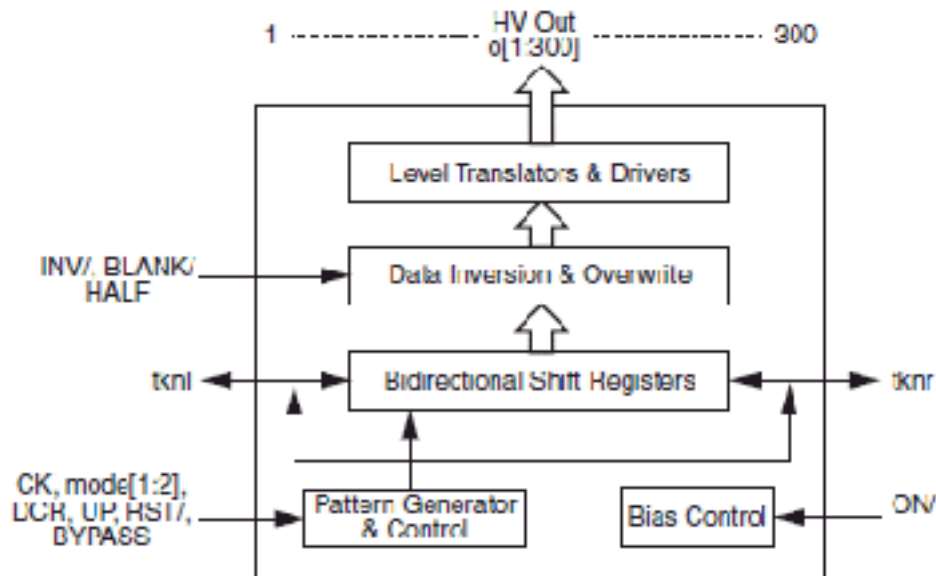


Gate driver contains 300 channels rated at 42V

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Functional Block Diagram



IXYS Integrated

Circuits Division announced the availability of the IXEP2300 electronic paper display (EPD) gate driver. The IXEP2300 features 300 high voltage output drivers that are rated at 42V. These outputs are typically driven with voltage supplies of +22V and -20V and drive the gates of thin film transistors (TFTs) of electronic paper displays.

The IXEP2300 has an internal pattern generator for applications where a minimal controller interface is desirable. The polarity of the outputs can be set to control p-type or n-type TFTs. The IXEP2300 is cascadeable with bidirectional shift control. A sleep mode minimizes power consumption, which is desirable in battery operated EPDs.

The IXEP2300 is the cost-down version of the popular MXEI2300 electronic paper display gate driver. The IXEP2300 can be used with the IXYS ICD's industry standard MXEI1480, 480 channel source driver, to provide a complete driver solution for EPDs. Typical applications include eBooks, electronic shelf labels, smart cards, and signage.

The IXEP2300 is available as gold bumped die supplied in wafer form or in waffle pack carriers.

Pricing and availability

The IXEP2300 is available in production quantities. Pricing for OEM quantities of 25KU is \$1.30.

For additional information, please contact your local sales representative: visit [http://www.ixysic.com/home/pdfs.nsf/www/PB-IXEP2300.pdf/\\$file/PB-IXEP2300.pdf](http://www.ixysic.com/home/pdfs.nsf/www/PB-IXEP2300.pdf/$file/PB-IXEP2300.pdf)

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[1] for the datasheet.

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Links:

[1] [http://www.ixysic.com/home/pdfs.nsf/www/PB-IXEP2300.pdf/\\$file/PB-IXEP2300.pdf](http://www.ixysic.com/home/pdfs.nsf/www/PB-IXEP2300.pdf/$file/PB-IXEP2300.pdf)