



## Flex Max®

### Flex Max331 1GHz Multipurpose Line Extender

- 1 GHz technology
- 42/54MHz, 65/85MHz, and 85/105MHz frequency splits
- 35dB operational gain
- ALC, TLC, and NLC options
- Supports major EMS protocols
- 1GHz module upgrade for legacy E700, Flex Max330, and Flex Max340 platforms
- Standard surge protection



ARRIS introduces the Flex Max331 Multipurpose Line Extender, a 1GHz strand-mount line extender with the superior quality and exceptional performance customers have come to expect with C-COR RF amplifiers. The 1GHz capability will enable broadband service providers to increase forward capacity for HDTV over previous program offerings, thereby allowing typically a 40% increase over current HDTV channels in a lineup.

Flex Max331 Multipurpose Line Extenders are available as both complete units for customers designing new system builds and as drop-in RF modules for a 1GHz upgrade of legacy FlexNet 750MHz/870MHz 700 series line extenders, Flex Max330 870MHz line extenders or Flex Max340 line extenders. Operating specifications, such as gain and tilt, are maintained at 750MHz and 870MHz, with extended gain and tilt out to 1002MHz. These unique design considerations enable reuse of legacy line extender housings and existing spacing, which in turn eliminates the additional cost of resplicing, making the Flex Max331 Line Extender drop-in RF module an ideal choice for 1GHz system upgrades.

Flex Max331 Line Extenders are available with three level control options: automatic level control (ALC), thermal level control (TLC), and no level control (NLC). To further facilitate upgrades when the Flex Max331 Line Extender is purchased as a drop-in module, the ALC model has two pilot levels common to legacy line extenders as well as three new QAM pilot channels to choose from.

In addition, Flex Max331 Line Extenders is now available with an 85/105MHz option, which will double return bandwidth for ever-expanding broadband networks.

# Flex Max331 1GHz Multipurpose Line Extender

## Features

- Economical choice for both legacy system upgrades and new builds
- GaAs technology results in fewer active components, improved system performance, and reduced total system costs
- High performance push-pull return amplifier for a wide range of signals on the return path
- Capable of handling 15A of AC through-current for new builds and 13A for upgrades
- Standard surge protection module decreases amplifier failure rates by dissipating surges due to lightning, power transients, and other causes
- Three-position return switch for ingress troubleshooting
- -20dB or -25dB forward and return testpoints for accurate and repeatable measurements
- Ability to use CW signal or QAM signal for pilot level frequency

## New Feature—Flex Max340 Housing Kit

You can economically upgrade your legacy 750/870MHz Flex Max340 line extenders to 1GHz capability without needing to splice the coaxial cable or respace your system by using our uniquely designed Flex Max340 housing kit which includes an adapter plate to retrofit the RF module, and a new housing deep lid with external testpoint access. Contact your ARRIS sales professional for more information.

[www.arris.com](http://www.arris.com)

Find more information about the Flex Max331 1GHz Multipurpose Line Extender.

- Product Specifications—Flex Max331 1GHz Multipurpose Line Extender Technical Specifications (Publication Code: FM331\_TS.pdf)

## Customer Care

Contact Customer Care for product information and sales

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