

CH3000-EDFA | CH3000 Optical EDFA Amplifiers



Compact 1550 nm Optical Amplifiers

- Dense chassis packaging: 14 Single density EDFAs, up to 21 dBm optical output, in 3RU chassis, 14 Dual density, 28 EDFAs, up to 17 dBm optical output, in 3RU chassis
- Shared features: 4.5 dB NF typical, User programmable constant gain or constant power operation
- Single amplifier models: FA3514S, FA3517S/F, FA3519F, FA3520S, and FA3521S
- Dual-amplifier models: FA3514D and FA3517D/G
- Gain flattened models: FA3517F/G, FA3519F, and FA3521F, H, and J
- High Power model FA3530M: 8x21 dBm outputs

The ARRIS FA3500 series is a family of high output, extremely compact 1550 nm optical amplifiers (EDFAs) in single-width modules with output powers ranging from 14 to 21 dBm. Dual amplifier versions, which provide two optically independent amplifiers in a single-width module, are also available. Their compact design dramatically reduces rack space requirements in the headend and hubs.

ARRIS also offers high performance, multiport optical amplifier FA3530M. The high power output of this amplifier is ideally suited for video distribution in RFoG and RFPON network architectures. In RFoG applications, the 8-port FA3530M EDFA at the headend amplifies and distributes the 1550 nm broadcast video signal to over 250 residential customers, over 8 typical RFoG network segments, each with 32 connected endpoint devices.

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Optical amplifier