# ACION 8000 Products

## A8KMF3 – Main Frame Chassis
- Designed for maximum density and flexibility: Up to 12 ACION 8000 plug-in application modules, 2 power supplies and 1 control modules in the 3RU housing
- Convenient Plug-and-Play
- Six cooling fans
- Designed so that the application and power supply modules are hot-swappable

## A8KPCM – Platform Control Module
- LCD panel and keypad for local configuration settings
- Hot-swappable
- Local monitor port (RJ-45 to RS-232)
- Ethernet port for remote management
- Up to 192 modules can be monitoring by 1 control module
- Remote monitoring by HMS or SNMP

## A8KAPS – AC Power Supply
- Hot-swappable
- 90 to 240 VAC input (P/N A8KAPS)
- -48 VDC input (P/N A8KDPS-N48)
- Two built-in cooling fans
- One power supply can power up to 12 ACION 8000 modules
- Add second power supply for full redundancy & load-sharing

## A8KFT3 – 1310 nm Forward Transmitter
- Up to 1002 MHz transmission bandwidth
- Cooled DFB laser diode with isolator
- 1310 nm optical wavelength
- Plug-in attenuator pad location for RF gain control
- Hot-swappable
- RF front-panel monitoring test point

## A8KFT3 – 1550 nm Forward Transmitter
- Up to 2.6 GHz transmission bandwidth
- Cooled DFB laser diode with isolator
- ITU Grid Channel Option
- Remote monitor and control function by HMS or SNMP
- Hot-swappable
- Plug-in JXP attenuator pads for RF gain control
A8KFT3 QAM – Forward optical transmitter is designed to transmit the downstream signals on a specific CWDM ITU grid wavelength from 1470 to 1610 nm in 20 nm steps

A8KFR3 QAM – Forward optical receiver is designed to receive the downstream signals on a specific CWDM ITU grid wavelength from 1470 to 1610 nm in 20 nm steps

A8KRT3 – Return optical CWDM transmitter is designed to transmit the upstream signals on a specific CWDM ITU grid wavelength from 1471 to 1611 nm in 20 nm steps

A8KQRR/DRR – The quad/dual return receiver is an integral part of reverse path network. There are four (QRR) or two (DRR) advanced independent receivers inside the module. 3RU in height and up to 12 modules can reside in the 19” high-density chassis

A8KEAM – EDFA (Erbium-Doped Fiber Amplifier) module is designed to for long-hall or wide broadcast aplications.

A8KQRR/DRR – Quad/Dual Return Receiver
- 4 optical inputs and 4 RF outputs (A8KQRR)
- 2 optical inputs and 2 RF outputs (A8KDRR)
- Maximum of 48 returns for (A8KQRR) or 24 returns for (A8KDRR) per chassis
- Optical wavelength: 1200 to 1600 nm
- Stand-alone receivers with no redundancy or with A/B switch for redundant receivers (optional)

A8KEAM – 1550 nm (C-Band) EDFA
- Operating windows: 1540~1560 nm
- Optical input power from −5 ~ 8 dBm
- Optical output power from 17 ~ 23 dBm
- Remote monitor and control function by HMS SNMP

A8KFT3 QAM – CWDM QAM Forward Optical Transmitter
- 55 to 870 MHz transmission bandwidth
- CWDM ITU Grid wavelengths 1470 to 1610 nm
- Remote monitor and control function by HMS or SNMP
- RF front-panel monitoring test point

A8KFR3 QAM – CWDM QAM Forward Optical Receiver
- 55 to 870 MHz transmission bandwidth
- Input wavelengths CWDM ITU grid wavelengths 1471~1611 nm
- Remote monitor and control function by HMS SNMP
- RF front-panel monitoring test point

A8KRT3 – CWDM Return Optical transmitter
- 5 to 200 MHz transmission bandwidth
- CWDM ITU grid wavelengths 1471~1611 nm
- Remote monitor and control function by HMS SNMP
- RF front panel test point

A8KQRR/DRR – The quad/dual return receiver is an integral part of reverse path network. There are four (QRR) or two (DRR) advanced independent receivers inside the module. 3RU in height and up to 12 modules can reside in the 19” high-density chassis

A8KEAM – EDFA (Erbium-Doped Fiber Amplifier) module is designed to for long-hall or wide broadcast aplications.

ACI NMS – The network management system is designed to remotely monitor and control the ACI Headend units in multiple locations via a web browser interface

ACI NMS – Network Management System
- Industrial PC for 1RU 19” rack mount
- 500G hard drive
- Support ACI A8K series products via SNMP
- Support ACI A5K series products via TCP
- Real-time monitoring with log reporting
- Multilanguage options available