The AP8000 is the 8-9 slot (6U 19 inch rackmount) chassis of the Access Processor multi-service platform.

The Access Processor platform enables the interfacing of odd serial bitrates, standard telco services and infrastructure, and LAN/IP and other non-ATM services into a single converged platform. Narrowband (8kbps) to Wideband (155Mbps STM-1/OC-3) data rates are supported.

The Access Processor is a multi-standard convergence platform enabling the integration of multiple disparate services over a common infrastructure. North American and European terrestrial telecoms and datacoms services are supported, as well as common serial, satellite and broadcast interfaces. Specialist modules unique to the Access Processor platform enable the creation of efficient Satellite and Defense infrastructures.

The Access Processor can be used as a simple ATM switch, an Access Concentrator of non-ATM services, or even as an Interface Converter/Fibre Optic Multiplexer. The Access Processor interface modules have evolved out of existing carrier/telco products and also customer requirements for back-hauling satellite links and multiplexing terrestrial services over satellite. The Access Processor platform can support a mixture of ATM and non-ATM traffic, typically using ATM as the transport mechanism which is transparent to both the application and the customer.

The Access Processor has the following key features:

- Fully non-blocking back plane - no bottlenecks or restrictions (even non-ATM in to non-ATM out applications supported)
- Extensive range of interface modules - any slot for any module
- Hot swap interface modules - configuration automatically re-instated onto replacement modules
- Asymmetric, Simplex and Full Duplex operation on all port types
- Point-to-point and Point-to-Multi-point topologies supported
The **Access Processor** is based around a modular chassis, which is available in 3 sizes:

- AP3000: 3 Slot (2U 19 inch rackmount)
- AP4000: 4-5 Slot (4U 19 inch rackmount)
- AP8000: 8-9 Slot (6U 19 inch rackmount)

The **Access Processor** supports the following non-ATM interface types:

- Telecoms: T1, E1, E2, E3, DS3
- Datacoms: 10/100BaseT, EIA530, HSSI
- Broadcast: ASI
- Satellite: EIA530, HSSI, ECL, ASI

The **Access Processor** supports the following ATM interface types:

- Telecoms: E1, E2, E3, DS3, STM-1, OC-3
- Datacoms: EIA530, HSSI
- Broadcast: ASI
- Satellite: EIA530, HSSI, ECL, ASI

For further information click for the **Access Processor** product page