Fact sheet:

Optical Spectrum Access – ADVA FSP 3000

The FSP 3000 is advanced optical terminating equipment from ADVA Optical Networking. It offers our shortest DWDM Optical solution lead times with attractive entry level prices. The slimline chassis option and the long radial distance range of the service also enable more flexible network design.

FSP 3000 benefits

- OSA allows you to offer a range of premium services from cloud applications and next generation data centres to high-speed file transfer and business continuity solutions, such as information storage and retrieval.
- OSA FSP 3000 is approved to Impact Level 2.
- The FSP 3000 supersedes the FSP 2000 within our portfolio. If you have FSP 2000 circuits that you would like to upgrade, attractive prices are available.

Space and power efficiency
A slimline chassis option provides an ideal solution where there is limited space to terminate an Optical service.

Full length circuit resilience
All circuits can be protected regardless of amplification and distance, and without the need to double the number of wavelength cards.

Entry level solutions
The 1U chassis option (with a choice of configurations) enables you to start small with lower risk. Choosing an additional filter pack (standard option) will enable you to grow capacity easily (up to 4 wavelengths) and at your own pace.

Low system latency
An initial view of latency is available at the planning stage with actual figures on installation. This provides potentially ‘business winning’ information where latency is an important factor in your own customers’ purchasing decisions.

Flexible choices to meet needs
A wide range of protocols and port speeds can be supported on the multiport wavelength cards. This provides greater commercial and technical flexibility and allows for better utilisation of wavelength capacity.

Range of design solutions
Offers a wide choice of flexible transponder and muxponder cards and a range of interfaces including GigE, OTU1, OTU2 and higher rates (4, 8 & 10G) of Fibre Channel. A four TCA card allows up to 4Gb to be carried on a single wavelength.

 Truly scalable
The fully featured 7U chassis offers high capacity at a great price. Subject to design, existing wavelengths can be easily upgraded and interfaces can be changed to meet demands.

Good lead times – no compromises
35 working day lead times (for forecast orders) provide the ability to respond to end customer demands without compromising on the quality of solution design.

Suitable for long distances
Up to 103km route distance (depending on solution and wavelength requirements). This means less expensive point-to-point solutions can serve longer distances.

Ideal for Storage Area Networks (SANs)
The ability to use four port wavelength cards with a shorter reach supports SAN solution requirements.
Circuit reach
With end-point amplification, route distances of up to 103km can be reached depending on the wavelength card selected.

Available bandwidths
- 2.5Gb
- 4Gb
- 10Gb

Or a combination on each bearer, depending on fibre characteristics and overall distance between sites.

Why Openreach for Optical?

Exclusively yours
Our solutions use dedicated fibre (not a shared infrastructure that could be impacted by others’ decisions). That means you get exactly what you pay for and any capacity you don’t use on day one will still be there when you need it.

Promises you can rely on
We aim to install circuits to CDD every time and maintain our reputation for 100% service delivery*. This means you can keep the promises you make to your customers.

Delivered by experts
Our solution design is delivered and installed by experts who understand our networks inside out. We take the time to properly understand your requirements and deliver solutions that stand the test of time.

Backed by experts
Not only do our people benefit from direct training, but ADVA Optical Networking also sign off all our network designs.

* Based on six months of 2011 data. Excludes delays outside of Openreach control.

FSP 3000 features
- Choice of 1U and 7U chassis
- Point-to-point configuration
- Proactively monitored with optional fibre and wavelength protection
- Range of single and multi-port cards
- Full Enterprise Certification (Brocade, HP, IBM, Fujitsu, Hitachi, EMC2, NEC and Juniper Networks)
- 1, 3 or 5 year minimum periods available.

7U high chassis
- 16 slots available for all card types including transponders, filters, protection and optical supervisory cards
- 12 channel capacity (less if double-width transponders or RO1 are used)
- 32 optical channel bearer capacity (in most cases this will require three chassis, more if double-width cards are used)
- Resilient options RO1 and RO2.

Slimline 1U chassis
Single (1 slot – RO2 option)
- 1U high chassis for a single wavelength (all card types)
- Compact service option
- Can be upgraded by adding expansion filters and chassis.

Standard (2 slots – RO2 option)
- Enables the build of a mini Optical system to cater for up to four wavelengths
- Can be grown by adding extra modules.

www.openreach.co.uk

The telecommunications services described in this publication are subject to availability and may be modified from time to time. Services and equipment are provided subject to British Telecommunications plc’s respective standard conditions of contract. Nothing in this publication forms any part of any contract. BT, Openreach, and the BT logo and the Openreach identity are trademarks of British Telecommunications plc.

© British Telecommunications plc 2012
Registered office: 81 Newgate Street, London EC1A 7AJ
Registered in England No: 1800000
Produced by Openreach
Designed by Westhill.co.uk

www.advaoptical.com

FSP 3000 equipment is supplied by ADVA Optical Networking

For more information on our optical solutions visit www.openreach-communications.co.uk/optical or contact your Openreach Sales and Relationship Manager.