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## **Netshield SFP range: The perfect reason to not replace your network but to rather convert it**

With the growth in cloud applications, digital solutions and IoT, the demand for high quality data networks continues to flourish. The costs however remain crippling when looking to scale out networks, which is why with the competitively priced Netshield SFP, SFP+, QSFP and QSFP28 compatible transceiver modules from Netshield, you can expand your voice and data networks by adding fibre into your existing network without throwing out what you have - at enormous expense.

Previously available in only 1G (SFP) and 10G (SFP+) versions standard with LC type fibre connectors, Netshield has in the last month expanded its range to include both 40G and 100G Transceiver modules, all of which can be used to integrate seamlessly with any distribution, access switch and other networking equipment that has the appropriate transceiver slots. As the company's SFP compatibles are hardware agnostic they will interface with switches that include HP, Cisco, Juniper, Alcatel-Lucent or Avaya, and more.

“Cloud-based services and applications are putting enormous pressure on networks, driving up the demand for service providers to provide high quality bandwidth and connections that are able to support the growing need for high-speed networks,” states Inus Dreckmeyr, CEO at Netshield South Africa. “With our compatibles you can quickly and easily expand or breathe new life into old networks, enabling you to scale data requirements as well as take advantage of product cost effectiveness.”

With the inclusion of the 40G and 100G transceiver solutions, now in what is widely known as Quad Small Form-Factor Pluggable (QSFP/QSFP28) compatible modules, customers are also able to take advantage of super-high-density/speed and low-power Gigabit Ethernet connectivity options. Applications extend to data centres, enterprise core and distribution/access layers, high-performance computing networks as well as connectivity applications needed by service provider.

Because a transceiver module can easily be interchanged, network administrators can now dramatically simplify the process of upgrading or maintaining an electro-optical or fibre optic network as a result of the fact that the actual pluggable module isn't hardwired into the network or the switch. Furthermore, with the enhanced version of the SFP range boasting DOM monitoring capabilities, they are able to alert when there are potential connectivity and quality of connectivity issues on the network, as well as pinpoint where the problem is, without the need to unravel the entire network to locate.

In the case of the compatible transceiver modules, with particular reference to the 40G and 100G compatible transceiver modules, customers can make use of the module's ability to interconnect short haul core connections with either active (fibre) and passive (copper) preconfigured cables, preconfigure splitter/multiplexing options are also available - with the most common being 40G QSFP to four prewired SFP+ 10G transceivers. Other options allow for, through lower speed bidirectional wave division multiplexing, improved multiplexing of a number of optical carrier signals onto a single optical fibre by using different wavelengths.

"We have been supporting customer's networking requirements with these modules for more than 10 years, ensuring they can achieve their network goals at approximately 30% of the cost of top brand SFPs in the market. What we assure each customer is that once they have implemented a Netshield SFP they won't be able to tell the difference between an original or one of our compatibles," ends Dreckmeyr.

*SFP, stands for small form-factor pluggable (SFP) and are compact, hot-pluggable transceivers used for both telecommunication and data communications applications. The Netshield range of SFP+ and SFP compatibles act as expansion modules connected to a switch to add multi or single mode fibre capabilities to the switch itself.*