technetix

Flexible panel solution

Standardised, personalised and optimised headend splitting and combining solution

A flexible panel solution for the headend

Overview

A reliable headend is the key to providing an effective network service, however many operators install an in-house 'cut and paste' solution when setting up or modifying their splitting and combining configurations. As well as creating a chaotic headend workspace, this method makes it confusing to maintain the system, presents an unprofessional appearance and may even affect the performance of the network.

Even though splitters and taps are crucial to the headend, many operators also choose to use cheaper, less reliable modules more suited for 'bulk' purposes, rather than investing in high-quality equipment and reaping the long-term benefits of high performance and dependability.

Technetix has pioneered a headend solution that allows splitters and taps to be placed easily into any number of configurations for maximum flexibility, using high-quality equipment that you can trust.

Standardised
Thanks to its modular design, you can easily install, maintain and upgrade as your network's splitting and combining requirements develop.

Personalised
We provide you with a set of equipment that meets your specific network requirements, is tidy and easy to use, flexible, functional, attractive and can include a custom-designed faceplate sticker with your branding.
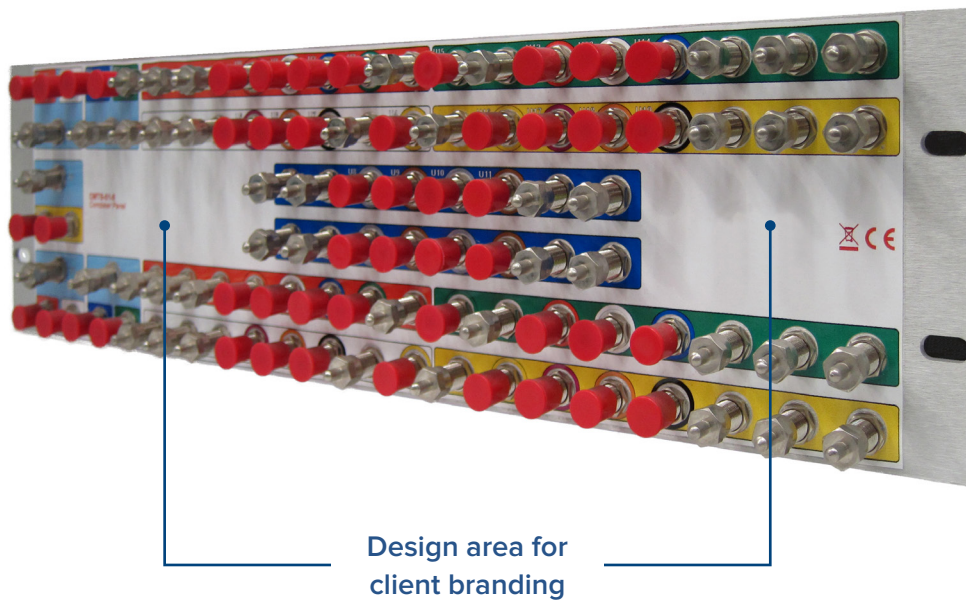
Optimised
Uses high-quality passive splitters and taps that can be mounted both vertically and horizontally onto a durable backplate.

'Build, box, bolt' – the all-in-one Technetix solution

Technetix is able to offer a fully-personalised, one-stop solution for standardised, flexible panels. Simply let us know what your splitting and combining needs are and we'll come back to you with a personalised panel solution suited to your exact requirements.

Our flexible splitting/combining solution uses high-quality, high-specification taps and splitters which are easily mounted on to a tough 19 inch backplate using Phillips-head screws. In addition, we'll even design an attractive, fully-branded faceplate sticker, all pre-mapped and colour coded for your requirements, so that you never have to trace cables to find out what they're connected to again.

Design area for client branding

- Can be used for any scenario in the headend that involves splitting or combining signals

- Custom-designed faceplate sticker, with clear labelling for easy organisation and recognition of connector functions

- A purely passive solution – no additional power requirements, no messy cables to hide and no placement restrictions

- Standard Phillips-head screw fittings for easy installation and ongoing maintenance

The Technetix range of 'HTX-xx' taps, 'HSX-xx' splitters and 'HE-FF' feed throughs feature:
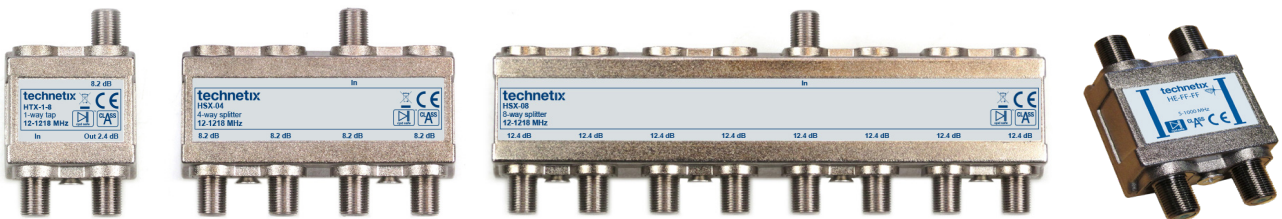
- Outstanding flatness, intermodulation and return loss specifications

- Standardised fittings for horizontal and vertical mounting

- Tough, easy to install housing with epoxy sealed tongue and groove back cover

- A flexible design for connecting coaxial cables with an inner conductor of 0.51 mm to 1.30 mm

- Rugged beryllium copper connector seizures that retain elasticity and provide effective clamping force even when varying thicknesses of inner conductors are connected in succession

- Technetix CPD Safe materials – tin-nickel plating, zinc alloy casing, tin-nickel plated machined brass input connector and tin-nickel plated F-inner spring

- Screening requirements that exceed EN Class A

- Brass insert connectors that retain connector tightness over many years eliminating cold flow issues of cast connectors

'HSX-xx' range of wideband splitters:
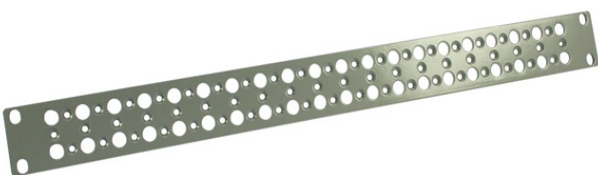
- Available in 2, 4 and 8-way varieties

'HTX-xx' range of taps

- Available in 8 dB, 20 dB and 20 dB reversed formats

'HPP-xx' range of panels

- Standardised F-port holes with 22 mm port-spacing – two panels can be stacked together to support larger vertical configurations

- Available in 19 inch 1RU (40 holes), 1.5 RU (60 holes), 2 RU (80 holes), and 3 RU (120 holes) varieties

- Made from steel plated cold-rolled coil (SPCC) steel with a high-quality paint finish

- A versatile and flexible solution supporting many different headend applications

- Mounting screws supplied

Trusted partner

Technetix leads the market when it comes to the enhancement of broadband cable network performance. Our long-standing experience of broadband network technologies means that we can offer an unrivalled understanding of legacy networks and next generation developments when helping customers through a development or migration process. That's why we're the tried, tested and trusted supplier to leading broadband providers across the globe.

We work in partnership with our customers to analyse their needs and understand the heart of their requirements. We're firmly focused on helping them to deliver outstanding network performance, customer satisfaction, revenue per customer, return on investment and lower operating costs.

Insight and innovation

People within Technetix have a deep understanding of hybrid fibre coax technology and our products play a critical role in enabling network subsystems and components to deliver broadband services to consumers in the best possible way.

By seeking to be at the forefront of technology development, we challenge boundaries and produce ever more effective and valuable product solutions for our customers. Our products can be found embedded throughout networks around the world.

For more information about the flexible panel solution please contact:

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