

# SUPERIOR GATEWAYS SINCE 2001.



**1Gbps Active Ethernet | GPON  
10Gbps Active Ethernet | XGSPON**



**FTTH NETWORKS**



# **SIMPLICITY IN INSTALLATION AND SERVICE ACTIVATION.**

**We believe that the future competitive advantages lie within simplicity in installation and end user activation**

Therefore DKT creates our gateways with focus on neutral design, product durability and service flexibility for the operator.

The entire DKT product range is made as “layer 2” for a 2-box structure with a separate 3rd party router. Thereby the operator gains more flexibility and scalability in their network, and can reuse same router across several network topologies.

**Our solution offers Operating Expense reductions (OPEX) due to:**

- Less technician work
- Customer Do-It-Yourself (DIY)
- Neutral design and technology-agnostic fiber termination
- Layer-2 functionality suitable for 2-box solutions



## PRODUCT OVERVIEW.



### FIBER TERMINATION

With a unique click-on interface, our fiber termination units increase lifetime and flexibility. Supports 1Gbps, 10Gbps, Active Ethernet/GPON/XGSPON.



### RF/TV PASSIVE

A comprehensive line of optical passives for data, telecom and CATV applications. DKT offers huge flexibility in style, outline and density.



### RF/TV ACTIVE

DKT RF/TV active products support optical transmission of CATV signals, embedded with GPON/XGSPON.



## PRODUCT LAUNCH.

### **10G gateways with click-on interface and Active Ethernet/XGSPON**

The DKT 7975x series is built to fit the well proven DKT FTU. The newly developed active part is based upon a sophisticated wirespeed Layer 2 switching-based “System-on-Chip” (SoC) solution.





This solution implies that fiber termination and service activation occur as part of the operator's "demarcation point" at the end customer in a FTTH 10Gbps environment.

	79751	79752	79757	79759
<b>10Gbps WAN</b>	✓	✓	-	-
<b>XGSPON WAN</b>	-	-	✓	✓
<b>1 Gbps LAN</b>	2	2	2	2
<b>10 Gbps LAN</b>	1	1	1	1
<b>CATV</b>	-	✓	-	✓
<b>Switch engine***)</b>	✓	✓	✓	✓
<b>CATV RF filter option</b>	-	✓	-	✓
<b>WDM filter</b>	-	**)	-	✓
<b>Fiber Connector</b>	SC/UPC	SC/UPC + SC/APC	SC/APC	SC/APC
<b>SFP WAN</b>	✓	✓	✓	✓
<b>Clickable FTU</b>	✓	✓	✓	✓
<b>TR-069</b>	✓	✓	-	-

\*\*)

Option  
 \*\*\*) Support for VLANs, Q-in-Q, QoS, IGMP, Jumbo Frames and traffic shaping and manipulation



## **GREAT FLEXIBILITY IN A SMALL FORM.**

### **1G gateways with click-on interface and Active Ethernet/GPON**

The small form factor, combined with ease of installation due to its click-on interface, makes our gateways an extremely flexible solution, with optimized handling and efficiency.





The solution is built to allow the customer to perform the service activation. The combined solution for FTU and gateway service are formed in an extremely compact form factor, 88 x 88 x 65 mm, making it viewed by the customer as just another outlet.

	79734	79740	79741	79742	79753	79755
<b>1Gbps WAN</b>	✓	*)	✓	✓	-	-
<b>GPON WAN</b>	-	-	-	-	✓	✓
<b>1 Gbps LAN</b>	1	-	4	4	1	4
<b>CATV</b>	-	✓	-	✓	**) )	**) )
<b>Switch Engine***</b>	✓	-	✓	✓	✓	✓
<b>CATV RF filter option</b>	-	-	-	-	**) )	**) )
<b>SFP WAN</b>	Fixed	-	Fixed	Fixed	Fixed	Fixed
<b>Fiber Connector</b>	SC/UPC	SC/APC	SC/UPC	SC/UPC + SC/ APC	SC/APC	-
<b>WDM filter</b>	-	-	**) )	**) )	-	-
<b>Clickable FTU</b>	✓	✓	✓	✓	✓	✓
<b>TR-069</b>	✓	-	✓	✓	-	-

\*) Data port loop though, adapter SC/APC

\*\*) Option

\*\*\* Support for VLANs, Q-in-Q, QoS, IGMP, Jumbo Frames and traffic shaping and manipulation



## THE MOST FLEXIBLE FTU IN THE INDUSTRY.

The DKT philosophy of separating the basic FTU media converter functionality from the Service Box, creates a neutral demarcation point between the in-home network and the operator's network.

DKT's FTUs consist of a neutral base/FTU in which fiber can be mounted, connected and terminated. The active Gateway is designed as a click-on interface with the possibility for end-user activation.



The FTU is ideal as a 2-box solution in combination with our gateways and 3rd party routers.





## WHAT IS OUR “SECRET”?

**A technology, “agnostic” design and possible service activation by the end-user**

### **CLAIM:**

A separation in Layer 1, 2 and 3 improves your business case and freedom to optimize your services, such as WiFi and router selection.

### **WHY?**

- Flexibility and scalability in roll-out and upgrades
- Better lifetime/depreciation
- Decreased truck roll/OPEX
- Improved customer satisfaction/churn
- Reduced call center cost and truck roll

The solution will work with 3rd party products, resulting in optimized interoperability and flexibility, better Wi-Fi coverage and better sourcing opportunities.

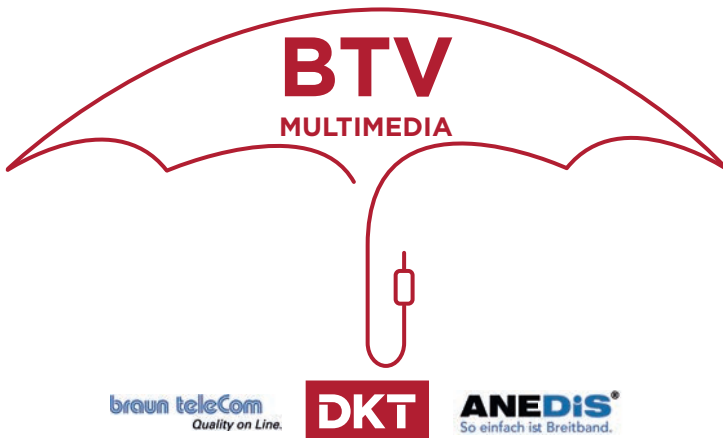


## **PART OF BTV MULTIMEDIA GMBH GROUP.**

**DKT has joined with Braun Telecom and Anedis in BTV Multimedia Group. BTV combines the activities of renowned manufacturers, distributors and service providers of the cable and broadband industry in Europe.**

With extensive experience and constantly growing know-how, the group has become a leading supplier of systems and components for broadband networks in Europe.

DKT supplies the group with its innovative product solutions and more than 40 years of industry experience.





## WHO CAN VOUCH FOR OUR WORK?

We are fortunate to have many solid references among European operators and solution providers.



# OUR VISION

**IMPROVE LIVING STANDARDS VIA  
BROADBAND NETWORK PERFORMANCE**

## **Strategic product categories**



### **COAXIAL DISTRIBUTION**

Proven higher performance and more cost efficient networks!



### **FTTH GATEWAYS & NETWORKS**

Optimize lifetime and flexibility!



### **HOME NETWORKS**

Smooth end user activation and support!



COMEGA