



**Huawei OptiXstar
EN8255X6s-8X | ONT |
1*10GE+4GE+2POTS+Wi-Fi6
4*4**



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link to the product:

<https://www.batna24.com/gb/p/olt-and-ont/huawei-optixstar-en8255x6s-8x-ont-110ge-4ge2potswi-fi6-44>

Price: **473.55 zł** gross / 385.00 zł net



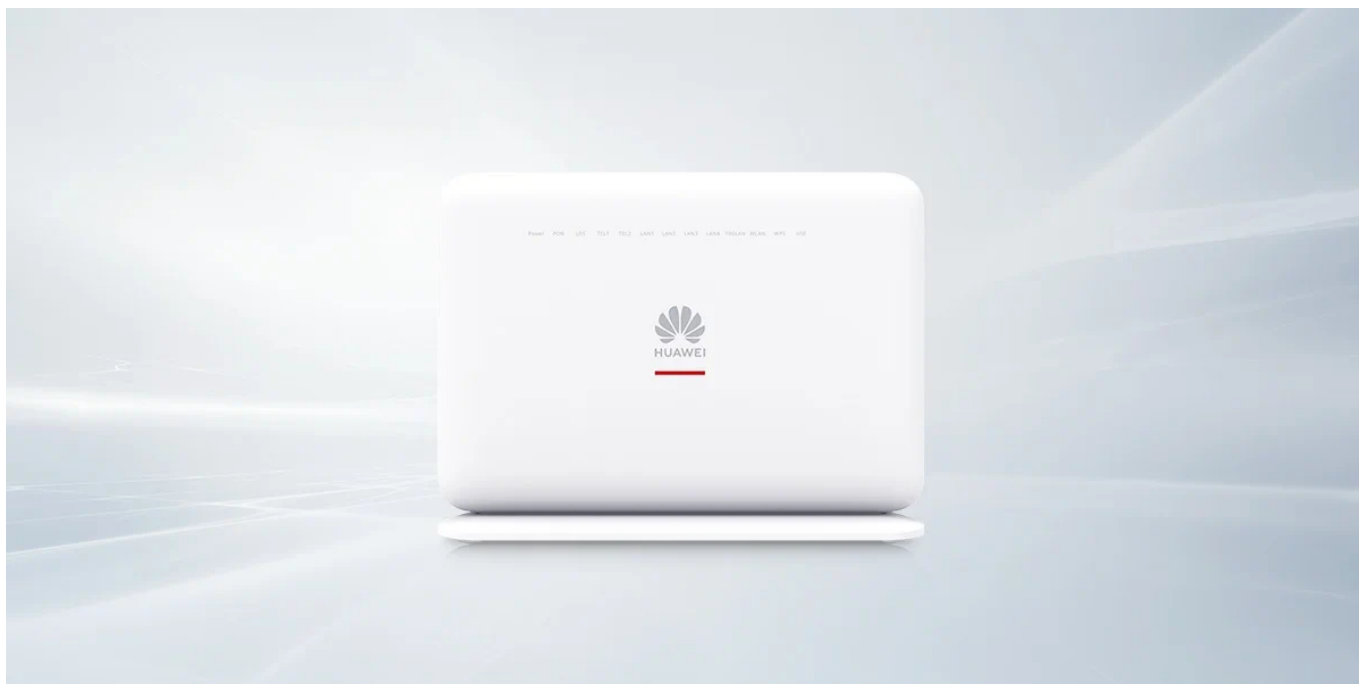
Manufacturer: HUAWEI

Referention number: DNXXGGMOKLRMMNP

Full product description

ONT Huawei EN8255X6s-8X

Huawei EN8255X6s-8X is an advanced **ONT client terminal** designed for use in **XGS-PON** networks. With its advanced features and wide range of capabilities, this device provides exceptional speed and reliability in Internet access, meeting the requirements of both home users and small businesses.



Ports and connectivity

The terminal offers one **10G Ethernet port** that supports speed negotiation at **100, 1000, 2500, 5000 and 10000 Mbps** levels, allowing the full potential of the PON standard to be realized. In addition, the device is equipped with four gigabit Ethernet ports (10/100/1000 Mbps) and **two POTS telephone ports (RJ11)**, providing versatile connectivity.



Wi-Fi 6

The EN8255X6s-8X offers state-of-the-art **Wi-Fi 6-compliant** wireless networking solutions, supporting IEEE 802.11 b/g/n/ax in the **2.4 GHz band and IEEE 802.11 a/n/ac/ax in the 5 GHz band**. Using **4x4 MIMO** technology, the terminal boasts a maximum theoretical throughput of **up to 1147 Mbps in the 2.4 GHz band and up to 4804 Mbps in the 5 GHz band**. This is twice as much as standard Wi-Fi 6 solutions, guaranteeing an efficient wireless network even with many connected users.

Additional functionalities

The terminal is also equipped with a **USB 2.0 port**, which allows users to create an FTP drive or share resources via Samba, offering additional usability.

XGS-PON technology

As the heart of the system, the Huawei EN8255X6s-8X uses the XGS-PON standard for the WAN port, using an **SC/APC type connector**. This technology provides symmetrical data transmission with **up to 10 Gbps** in both directions, a significant difference from previous standards such as **XG-PON and GPON**. With support for 1x256 splits, the terminal can connect twice as many subscribers as GPON, providing greater flexibility and scalability to the system. XGS-PON's uniqueness also comes from its ability to run three different transmissions on a single optical fiber, using different wavelengths.

Advanced wireless features

The Huawei EN8255X6s-8X uses advanced wireless networking technologies such as **Beamforming, BSS coloring and bandwidth control** to ensure stable and efficient data transmission. **Omnidirectional antennas with 2 dBi energy gain** provide optimal Wi-Fi coverage, which, combined with twice the bandwidth compared to standard Wi-Fi 6 solutions, guarantees excellent wireless performance.