XGN100C

10G Network Adapter PCIe Card with Single RJ45 Port

The Zyxel XGN100C converts a free PCI Express slot into a 10 Gigabit Ethernet port. It is designed to provide users with the multi-gigabit technology with full backward compatibility to smoothly migrate to a 10G networking environment from existing infrastructure. The XGN100C delivers a dependable way to upgrade or replace your existing network ports with one 10G/5G/2.5G/1G/100 Mbps compatible RJ-45 port.

- Hyper-Fast 10 Gbps networking
- Multi-Gigabit speed support
- Easy 10G network upgrade
- Compatible with Windows/Linux
- QoS for better traffic control
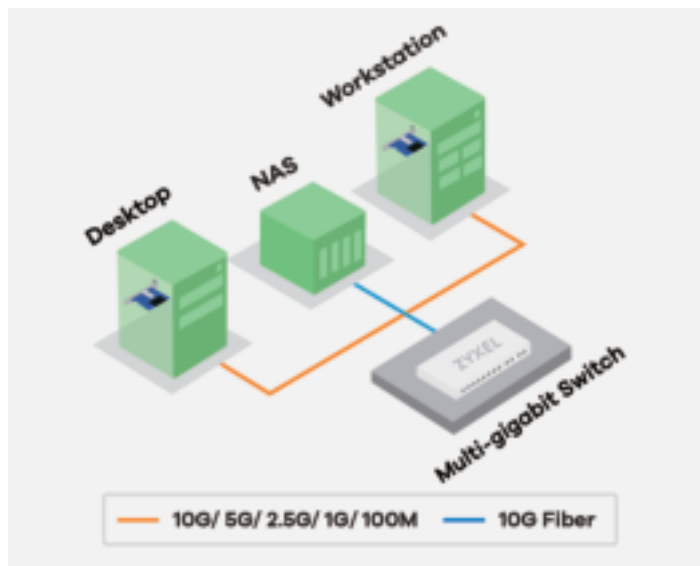
Datasheet XGN100C

Benefits

Hyper-Fast 10 Gbps networking

10X faster than standard gigabit Ethernet which can easily handle the bandwidth of demanding tasks such as large file transfers, 8K streaming, or low-latency gaming at Home/SOHO/SMB environments.
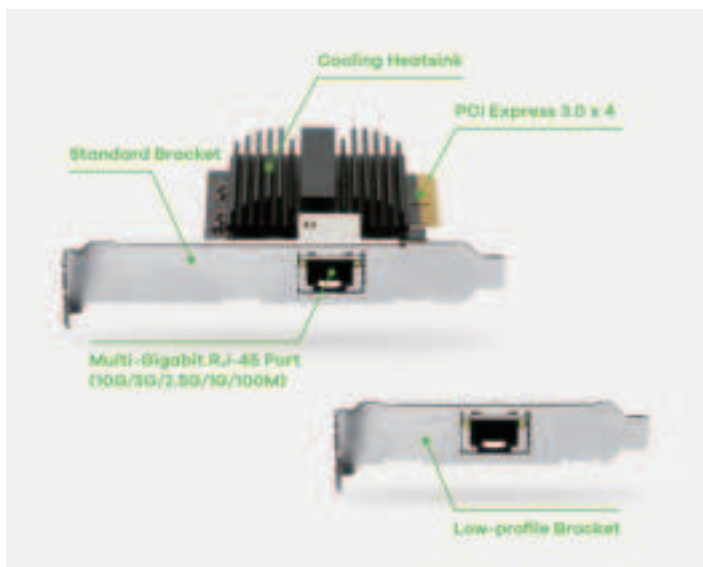
Multi-Gigabit with full backward compatibility

Performs multi-gigabit speeds 10G, 5G, 2.5G along with backward support for standard Gigabit and Fast Ethernet. Windows 10 & Linux OS supported, smoothly migrate to a 10G networking environment from existing infrastructure.

Cooling heatsink and multiple bracket options for flexible deployment

Our efficient heatsink keeps XGN100C cool during operation. Apart from the full-height bracket bracket, a low-profile alternative is included specifically for mini tower computer cases. With customizable choices available, you have the freedom to select a bracket that aligns perfectly with your board's design.

Quality of Service (QoS), prioritizing bandwidth

Built-in QoS technology automatically prioritizes bandwidth for the most important applications. Download large files while retaining a smooth web surfing, gaming, and streaming experience on all your connected devices.

Specifications

System Specifications

Standard
- IEEE 802.3an 10 Gbps Ethernet
- IEEE 802.3bz 2.5 Gbps/5 Gbps Ethernet
- IEEE 802.3ab Gigabit Ethernet
- IEEE 802.3u Fast Ethernet
- IEEE 802.3az Energy Efficient Ethernet

Performance
- Quality of Service
- Jumbo frame support up to 16 KB

Features
- Compatibility with current network standards, including 10/5/2.5/1 Gbps and 100 Mbps
- Jumbo frame and VLAN tagging support
- Standard and low profile brackets included
- Compatible with Windows® and Linux®
- Built-in Quality of Service (QoS) technology
- Support WoL*

Supported OS
- Windows 7, 8.0, 8.1, 10 (32/64-bit) or Server 2012
- Linux kernels 3.10, 3.12, 3.20, 4.2 or 4.4

Hardware Specifications

Interface
- PCI Express Gen-3 (or 2) x 4 Host Bus Interface
- 1x 10 Gbps RJ-45 Ethernet port (Supported Speeds: 10/5/2.5/1 Gbps and 100 Mbps)
- Pre-installed with full height bracket, also includes low profile bracket

LED Indicator
- Speed
  - Green: 10G
  - Amber: 5G/2.5G/1G/100M
- Link/Activity
  - Green
    - Steady: No data transmission
    - Blink: Data transmission

Physical Specifications
- Item dimensions (WxDxH)(mm/in):
  - 122 x 100 x 18.5*/4.8 x 3.94 x 0.73*
  - 82 x 68 x 18/3.22 x 2.67 x 0.7
- Item weight (g/lb.):
  - 82*/0.18*
  - 78/0.17

Environmental Specifications

Operating Environment
- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

Storage Environment
- Temperature: -40°C to 85°C (-40°F to 185°F)
- Humidity: 5% to 90% (Non-condensing)

Certifications
- EMC: CE, FCC, EAC, BSMI, Class B

Package Contents
- XGN100C
- Quick Start Guide
- Low profile bracket

* Content applies to the latest hardware revision. Refer to the Ordering Information section in this document for details.

Ordering Information

Model	Product Photo	Part Number	Hardware Revision
XGN100C		XGN100C-ZZ0102F*, XGN100C-TW0102F*	Revision B1
		XGN100C-ZZ0101F, XGN100C-TW0101F	

* Represents the latest hardware revision.