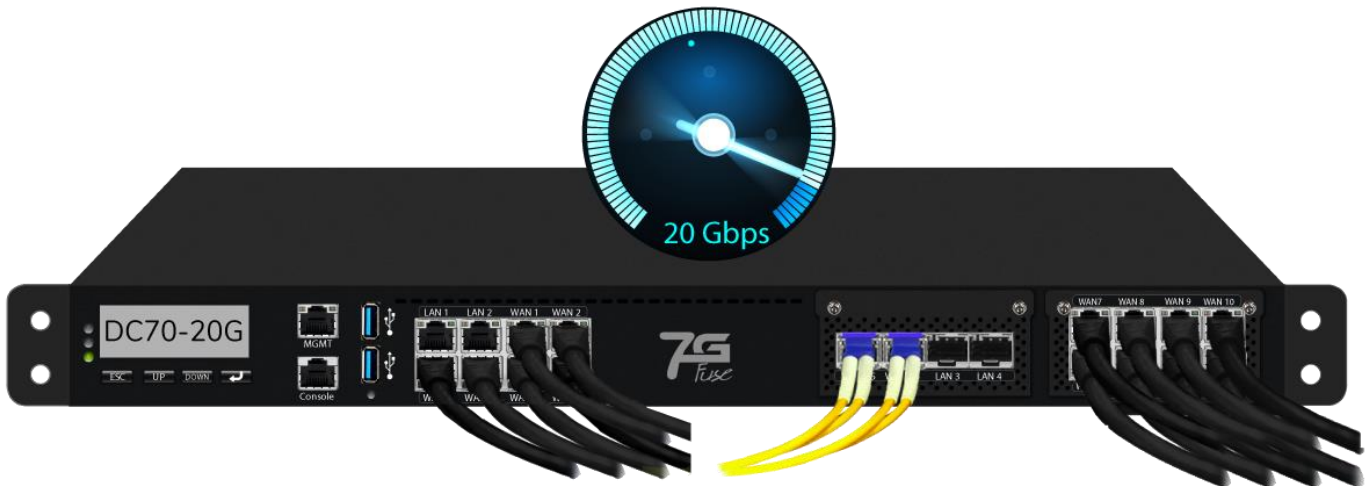


Internet Bonder & Load Balancer



DC70-20G



16 x 1 Gbps Ethernet Ports



4 x 10 Gbps Fiber Ports

16 WAN & 2 USB CELLULAR WAN
~20 Gbps Throughput

4X LAN
2 Gigabit LAN
2 SFP+ Fiber LAN

16X WAN
14 Gigabit WAN
2 SFP+ Fiber WAN

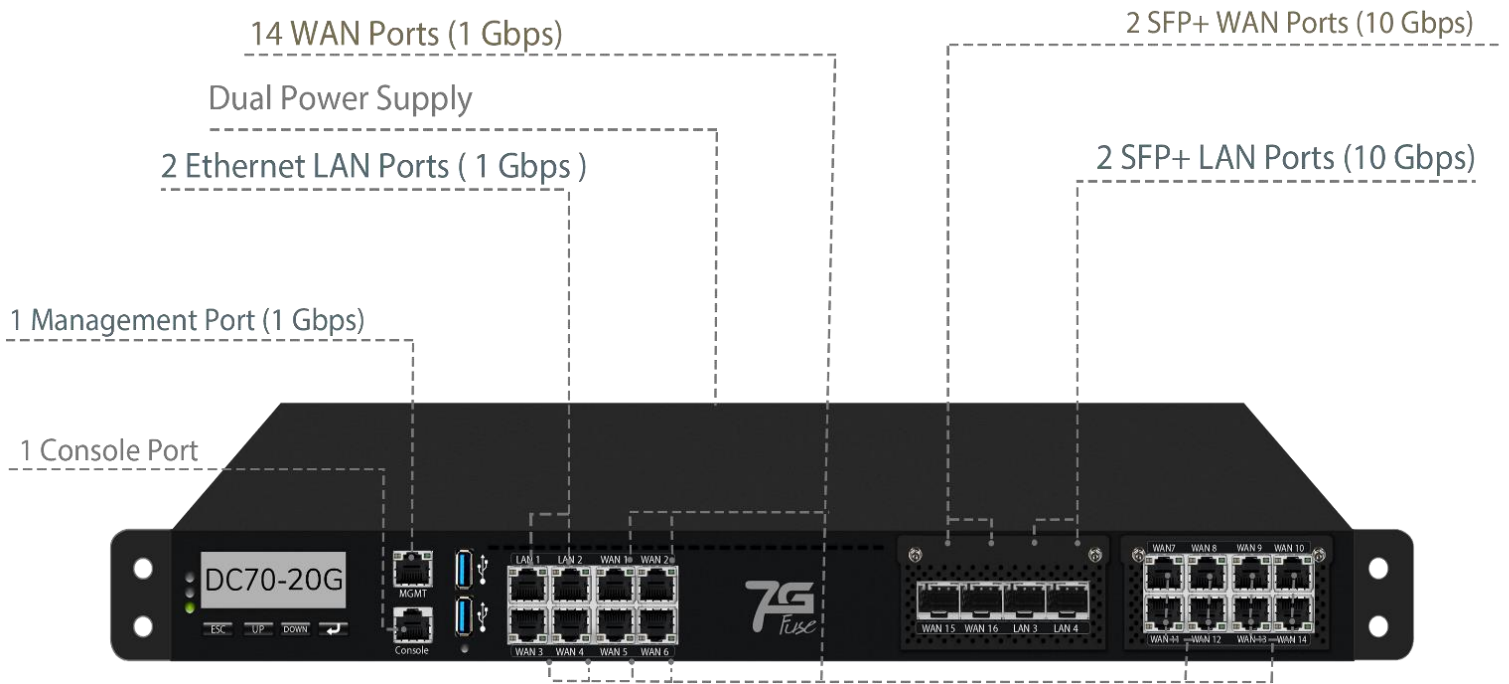
2X USB Cellular WAN

VPN BONDING
AES-256 ENCRYPTION
LEASED LINE | MPLS | ADSL
THROUGHPUT UPTO ~10 Gbps

AI BASED LOAD BALANCER

LOAD BALANCING
INTERNET THROUGHPUT UP TO ~20 Gbps

DC70



QOS
TRAFFIC SHAPING



HIGH AVAILABILITY



MULTIPLE
DYNAMIC DNS



REAL TIME
MONITORING



FIREWALL
LAYER-3 STATEFUL



REDUNDANT
POWER SUPPLY



MULTICASTING
OPTIMIZED VIDEO TRAFFIC



REPORTS
BANDWIDTH USAGE &
DATA CONSUMPTION



CENTRAL MANAGEMENT
SYSTEM INTEGRATION



DC70

16 WAN & 2 USB CELLULAR WAN
~20 Gbps Throughput



SPECIFICATION

LAN INTERFACE	2 x Gigabit Ethernet Port 2 x 10G SFP+ Port
WAN INTERFACE	14 x Gigabit Ethernet Port 2 x 10G SFP+ Port 2 x USB 3.0 Ports for Cellular Dongles Connectivity
MANAGEMENT INTERFACE	1 x Gigabit Ethernet Port
CONSOLE PORT	RJ 45 (RS-232 Pinout)
INTERNET LOAD BALANCING THROUGHPUT	~20 Gbps
SESSIONS	3 Million+ Concurrent Sessions
USB	2 x USB 3.0 Ports for Cellular Dongles
DESIGN	1U Rack-Mountable Unit with Rackmount Kit
DIMENSIONS	44 x 53 x 4.5 cm 17.3 x 20.8 x 1.7 inches (W x L x H)
WEIGHT	~10 kg
POWER	300 Watts 1+1 Redundant PSU — INPUT: AC 90V~264V
OPERATING TEMPERATURE	~ -10 to 50 °C
CERTIFICATIONS	CE / FCC Certified

PACKAGE CONTENT

- 1 x DC70-20G
- 2 x Power Cord
- 1 x Rack Mount Kit (L Clamp Set and Screws) | 1 x Rack Mount Kit (Rail Kit Set and Screws)
- 1 x DAC Cable

TECHNOLOGY

DYNAMIC LOAD BALANCING

A smart load balancing technology responsible for performing real-time health checks for all internet links and routes traffic (per packet) via assigned priorities using following dynamic load balancing algorithms,

Latency Based Load Balancing Algorithm,

In this mode, the load balancer assigns more priority to the interfaces that have minimum latency.

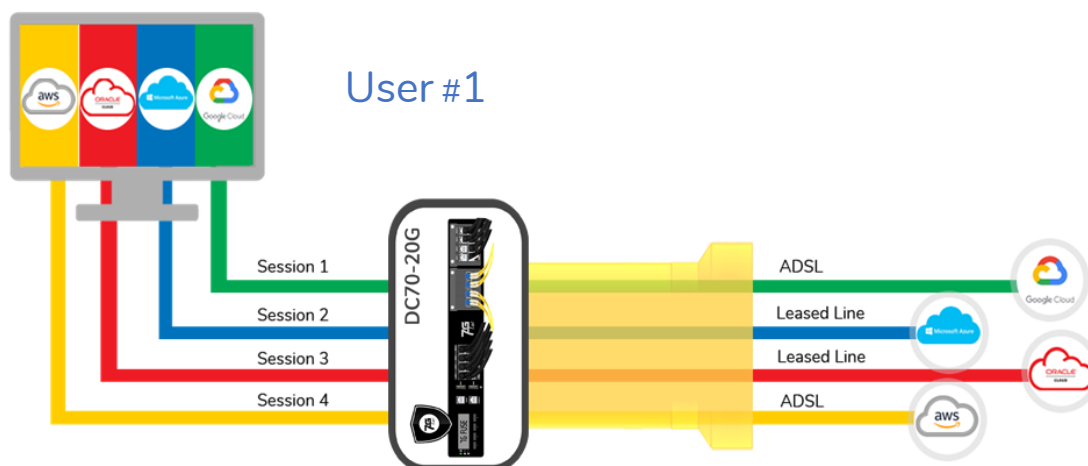
Bandwidth Based Load Balancing Algorithm,

In this mode, the load balancer assigns priorities on the basis of bandwidth. There are 2 configurable modes for it,

Most Bandwidth: The interface with highest bandwidth will be assigned with more priority,

OR

Least Bandwidth: The interface with lowest bandwidth will be assigned with more priority.



VPN BONDING

It establishes an encrypted VPN tunnel between its peer devices, ensures that all the WAN links are taking part in data transmission between the sites and combines all the internet links into single encrypted virtual tunnel.

As a result, VPN bonding increases the total bandwidth throughput of VPN tunnel and minimizes the effect of tunnel congestion for higher data transfer between the sites. It also reduces downtime by three folds.

Along with VPN bonding, it also provides multiple traffic scheduling algorithms to cater to different scenarios and requirements. The sole purpose of traffic scheduling algorithm is to decide in which sequence the data packets are to be transmitted.



FEATURES



Real-time Dashboard

Single pane for entire appliance monitoring. Dashboard displays bonded internet throughput as well as bandwidth and data consumption of individual internet connections in real-time.



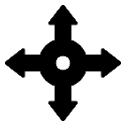
Real-time Charts

Graphical representation of link utilization through graphs (line and bar graph). Aggregated and Individual upload and download bandwidth of interfaces, the number of sessions created over time



Reports

Enables the user to fetch interactive reports about Bandwidth, Data Consumption, Power and Session Counts over the given date range on both an aggregated and individual level across the selected interface.



Traffic Shaping

Increases the efficiency of overall internet utilization by setting up traffic shaping policies which help users to categorize and prioritize particular traffic. It also helps in restricting bandwidth for specific protocol, IP or subnet to avoid internet exhaustion or congestion.



Built-In Firewall

Segregates interfaces into zones and filters internet traffic passing through an appliance using stateful Layer-3 firewall (subnet, IP and ports) for internet security and threat mitigation.



High Availability

Enables the user to configure 7G Fuse appliances in Active-Standby mode to provide redundancy in DC70 appliances. This will mitigate the downtime of internet connectivity even if a single appliance goes down.

FEATURES



Multiple Dynamic DNS

Provides the capability for a networked device to notify a global DNS server to change the dynamic Public IP address assigned to a DNS record in real time



User Management

Enables the assignment of privileges to users based on their role / designation in the company which restricts unauthorized changes to major configurations.



VPN Bonding Test

Dedicated and customized tool to check the actual bandwidth achieved through VPN bonding.

Once the VPN is established, the user can initiate the bonding test between peers to analyse real-time bandwidth over VPN.