NOMADIX®

EG 6000 SPECIFICATION

Features and Functionality

Plug and Play
(DAT) Dynamic Address Translation
Dynamic Transparent Proxy
IPv6

Service Provisioning
Home Page Redirect
HTTP & HTTPS Redirect
Portal Page Redirect
Session Termination Redirect
Information and Control Console
Pop-up Logout Button
International Language Support
External Portal WEB Server Mode
Internal Portal WEB Server Mode
Secure XML API Over SSL
Login Page Failover
SMTP Redirection

Network Management
Multi-Level Administration
Centralized RADIUS Authentication
Access Control
WEB Based Interface (WMI)
Command Line Interface (CLI, SSH)
Integrated VPN Client
RADIUS Driven Configuration
Bridge Mode
SNMP V2c
System/AAA Log
TR069
NTP Support

Policy-Based Traffic Shaping
Class-Based Queueing
Weighed Fair Queueing
Distribution of Unused Bandwidth
Group Bandwidth Management
QoS Tagging (802.1p & Diff Serv)
Per Device Bandwidth Capping

Reliability
Multi WAN link Load Balancing & Failover
Multi-Unit Clustering
Configuration Backup and Restoration
Watchdog
Active / Passive High Availability Failover
LACP Link Aggregation Control Protocol

IP Address Management
IEEE 802.3/3ul/3ab
DHCP Server, Client and Relay
Multi Subnet Support
IP Upsell
PPPoE Client

Billing Plans Enablement
RADIUS Client
RADIUS Proxy
Port Based Policies
VLAN / Port Mapping
Local Database
Property Management System (PMS)
Credit Card Interface (Paypal)
Bill Mirroring

Access Control and Authentication
Authorization, Authentication & Accounting (AAA)
Walled Garden
Group Accounts
Tri-Mode Authentication
Universal Access Method over SSL
IEEE 802.1x
Smart Client Support (Boingo, iPass)
MAC Authentication
Remember-Me Login
Access Codes

Advanced Security
iNAT
IPsec Support
PPTP Support
Session Rate Limiting
URL Filtering
MAC Address Filtering
ICMP Blocking
Proxy ARP for Device to Device Communications
Lawful Intercept, monitoring, logging and compliance with legislative requirements
User Agent Filtering

VLAN Support
IEEE 802.1Q
IEEE 802.1ad

Physical & Environmental

Physical I/O Ports
6 x GbE RJ45, WAN or LAN configurable, ACT/LINK status LEDs for each port
2 x GbE SFP (Small Form Factor) WAN or LAN configurable, Requires fiber transceiver
2 x USB 3.0 Console Port, Requires optional USB to RS232 connection cable
2 x GbE SFP+ (Small Form Factor) WAN or LAN configurable, Requires fiber module & tranceiver
1 x RJ45 Optional Asynchronous PMS Port

Mechanical
1 x expansion slot for SFP+ 10Gb Fiber Module
1 x LCD display with Software Version, NSE ID and Primary WAN IP Address.
1 x reset button
1 x Power Status Indicator
1 x ATX Power Switch
Passive CPU Heat Sink
2 x Smart Fans

Power
AC 90~264V @47~63 Hz
220W ATX Single PSU

Physical
438mm x 44mm x 321 mm
(17.24" x 1.73" x 12.64")
Weight: 7.5 kg (16.5 lbs)
1U - 19" Rack Mount Installation Kit included
Color: Nomadix Green

Environmental
Operating temperature: 0°C to 40°C
Operating humidity: 5% to 90% (non-condensing)
Storage temperature: -20°C to 70°C
Storage humidity: 10% to 95% (non-condensing)

Certifications
RoHS, CE/FCC Class A, UL, CCC

Capacity
Supports for 50-800 doors

Performance

Base System (3.0 Gb)			Maximum License (6.0 Gb)		
RFC 2544 (1024 Frame Size)		HTTP 8000	RFC 2544 (1024 Frame Size)		HTTP 8000
Frames Per/Sec	Gbps		Frames Per/Sec	Gbps	
380k FPS Measured 1,220 max media FPS	2.9 Gbps	2.9 Gbps	802k FPS Measured 1,220 max media FPS	6.5 Gbps	5.8 Gbps

Notes: 1: Tested using IXIA. 2: Fast forwarding enabled and SFP+ 10G Fiber Ports utilized. 3: UDP Protocol.