IP Connect Data Sheet

Introduction
atom86 provides cost effective, high speed, redundant, Layer2 and Layer3 (IP Transit) services in the Netherlands.

Locations
The atom86 IP Connect services are available from 70+ datacenters in the Netherlands. At the following datacenters you can get a direct connection:

- BIT, Ede
- Digital Realty AMS3/AMS17/AMS18, Amsterdam
- Digital Realty AMS5/AMS7, Schiphol-Rijk
- Digital Realty AMS8/AMS10, Rozenburg
- Digital Realty AMS9 (SARA), Amsterdam (via NIKHEF)
- Equinix AM1/2/3/4/5/7/8, Amsterdam
- Equinix AM6, Amsterdam (via Equinix AM5)
- Equinix AM11, Amsterdam (via Equinix AM7)
- euNetworks, Amsterdam
- GlobalSwitch, Amsterdam
- Iron Mountain (Evoswitch), Haarlem
- NIKHEF, Amsterdam
- NorthC Aalsmeer, Aalsmeer
- NorthC Almere, Almere
- NorthC Amsterdam, Amsterdam
- NorthC Delft, Delft
- NorthC Eindhoven 1/2, Eindhoven
- NorthC Nieuwegein, Nieuwegein
- NorthC Oude Meer, Oude Meer
- NorthC Zestienhoven, Zestienhoven

Hardware
All routing is performed on our Juniper MX960 core routers at Digital Realty AMS8 and NIKHEF. All customer connections are delivered on redundantly connected switches.

Interconnections
All interconnections between the customer equipment and the atom86 network are Ethernet based:
- nx1GE-Copper/Fiber
- nx10GE-Fiber
- nx100GE-Fiber

Dual BGP or VRRP are standard supported at no additional charge. IPv4 and IPv6 are delivered on the same port at no additional charge.

Maintenance window
The standard maintenance window for Scheduled Maintenance for the atom86 network is every working day between 23:00-02:00hrs Dutch local time. The length of the maintenance window may vary depending on the activities to be performed during the maintenance window.
Maintenance windows will be announced 5 days in advance stating start, end, activities to be performed and the possible impact on customer connections.
Emergency Maintenance will be announced at least 15 minutes in advance, if possible, or directly afterwards explaining the emergency.

BGP Communities
The atom86 networks supports BGP Communities allowing customer to have influence on the routing of their prefixes over the atom86 network.

The following BGP Communities are in place:

Blackhole	8455:5990
Transit Backup	8455:5060
Transit Not Preferred	8455:5180
Transit Preferred	8455:5220
Do Not Announce to AS3356	8455:5510
Prepend 1x to AS3356	8455:5511
Prepend 2x to AS3356	8455:5512
Prepend 3x to AS3356	8455:5513
Do Not Announce to AS1299	8455:5515
Prepend 1x to AS1299	8455:5516
Prepend 2x to AS1299	8455:5517
Prepend 3x to AS1299	8455:5518
Do Not Announce to AS2914	8455:5523
Prepend 1x to AS2914	8455:5524
Prepend 2x to AS2914	8455:5525
Prepend 3x to AS2914	8455:5526
Do Not Announce to Peers	8455:5000
Prepend 1x to Peers	8455:5001
Prepend 2x to Peers	8455:5002
Prepend 3x to Peers	8455:5003
BGP Graceful Shutdown	65535:0

Providers
atom86's current providers of upstream IPv4 and IPv6 connectivity:
- COLT/Lumen AS3356
- Arelion AS1299
- NTT AS2914

Internet Exchanges
atom86 exchanges traffic via direct peering at the following Internet Exchanges:
- AMS-ix
- NL-ix
- SPEEDIX
- Equinix IX Amsterdam
- LINX
- DE-CIX
- INTER-IX

Network Characteristics
- Packetloss: <0.1%
- RTT: <20ms