



Figure 2: The default network entity classes provided by Onix's API. Solid lines represent inheritance, while dashed lines correspond to referential relation between entity instances. The numbers on the dashed lines show the quantitative mapping relationship (e.g., one `Link` maps to two `Ports`, and two `Ports` can map to the same `Link`). Nodes, ports and links constitute the network topology. All entity classes inherit the same base class providing generic key-value pair access.