

Architecture	$MS^2HDX - T$ (where $h_{shp} = \text{Super-Hypercube-dimension}$, $b_{DX-tr} = \text{DX-Tree-branches}$ and $n_{DX-tr} = \text{DX-Tree-levels}$)
Type of Network	Symmetric
Number of Nodes (N_N)	$\frac{2b_{DX-tr}^{\frac{n_{DX-tr}}{2}-2}}{b_{DX-tr}-1} \times 2^{h_{shp}}$
Number of Links (N_L)	$4\left[\frac{b_{DX-tr}^{\frac{n_{DX-tr}}{2}} - b_{DX-tr}}{b_{DX-tr}-1}\right] + b_{DX-tr}^{\frac{n_{DX-tr}}{2}-1} + [(h_{shp} + 2)2^{h_{shp}-1}]\left[\frac{2b_{DX-tr}^{\frac{n_{DX-tr}}{2}-2}}{b_{DX-tr}-1}\right]$
Normalised System Cost (K_{STN})	$K_{STN} = 1 + K_L \left[\frac{5b_{DX-tr}^{\frac{n_{DX-tr}}{2}}}{(4b_{DX-tr}^{\frac{n_{DX-tr}}{2}-1})_{h_{shp}}} - \frac{b_{DX-tr}^{\frac{n_{DX-tr}}{2}-1}}{(4b_{DX-tr}^{\frac{n_{DX-tr}}{2}-1})_{h_{shp}}} - \frac{4b_{DX-tr}}{(4b_{DX-tr}^{\frac{n_{DX-tr}}{2}-1})_{h_{shp}}} + \frac{h_{shp}+2}{2} \right]$
$\lim_{n_{DX-tr} \rightarrow \infty} K_{STN_{(MS)^2HDX-T}}$	∞
Diameter ($R_{(MS)^2DHX-T}$)	$4n_{DX-tr}$

Table 4: $(MS)^2HDX-T$ network metrics

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