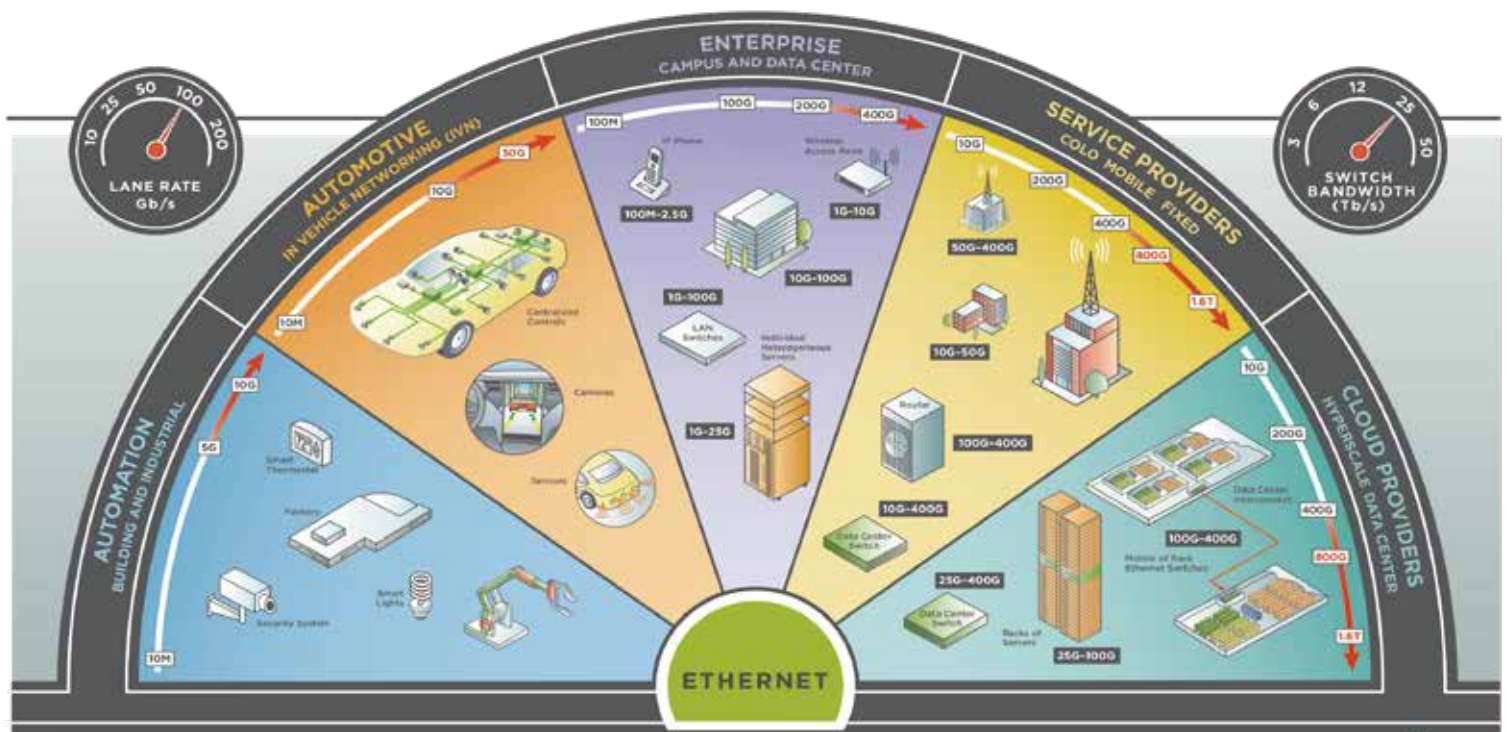


ETHERNET APPLICATIONS



(Source : 2020 Roadmap of Ethernet Alliance)



LATEST INTERFACES AND NOMENCLATURE

	Electrical Interface	Backplane	Twinax Cable	Twisted Pair (1 Pair)	Twisted Pair (4 Pair)	MMF	500m PSM4	2km SMF	10km SMF	20km SMF	40km SMF	80km SMF
10BASE-		T1S		T1S/T1L								
100BASE-				T1								
1000BASE-				T1	T							
2.5GBASE-		KX		T1	T							
5GBASE-		KR		T1	T							
10GBASE-				T1	T				BIDI Access	BIDI Access	BIDI Access	
25GBASE-	25GAUI	KR	CR/CR-S		T	SR			LR/EPON/BIDI Access	EPON/BIDI Access	ER/BIDI Access	
40GBASE-	XLAUI	KR4	CR4		T	SR4/eSR4	PSM4	FR	LR4			
50GBASE-	LAUI-2/50GAUI-2 50GAUI-1	KR	CR			SR		FR	EPON/BIDI Access LR	EPON/BIDI Access	BIDI Access ER	
100GBASE-	CAUI-10 100GAUI-2 100GAUI-1	KR4 KR2 KR1	CR10 CR2 CR1			SR10 SR4 SR2	PSM4 DR	10X10 CWDM4/CLR4 100G-FR	LR4/ 4WDM-10 100G-LR	4WDM-20	ER4/ 4WDM-40	ZR
200GBASE-	200GAUI-4 200GAUI-2	KR4 KR2	CR4 CR2			SR4	DR4	FR4	LR4		ER4	
400GBASE-	400GAUI-16 400GAUI-8 400GAUI-4	KR4	CR4			SR16 SR8/SR4.2	DR4	FR8 400G-FR4	LR8 400G-LR4		ER8	ZR

Gray Text = IEEE Standard Red Text = In Standardization Green Text = In Study Group
Blue Text = Non-IEEE standard but complies to IEEE electrical interfaces



(Source : 2020 Roadmap of Ethernet Alliance)