

PoP-Apparato	Sigla	Tipologia apparato	PORTE									OTTICHE												
			Backbone					Accesso Utente																
			400G	100G	40G	10G	1G	100G	10G	1G	400G DR4	100G SR4	100G LR4	40G SR4	40G LR4	10G SR	10G LR	10G ZR	1G SX	1G LX	1G ZX	1G T		
Agrigento-S.Giuseppe	AG	LEAF	0	2	0	2	0	0	0	0	4	0	0	0	0	0	2	0	0	3	0	0		
Ancona-MonteDago 1	AN	LEAF	0	2	0	2	1	0	0	7	0	1	0	0	0	2	0	0	2	2	1	2		
Ancona-MonteDago 2	AN	LEAF	0	2	0	2	1	0	0	3	0	1	0	0	2	0	0	1	2	0	1			
Avellino-Roma	AV	LEAF	0	2	0	2	0	0	0	3	0	0	0	0	0	2	0	0	1	1	0	1		
Bari-Amendola 1	BA1	LEAF	0	6	1	0	2	2	10	34	0	3	4	0	1	0	6	1	0	12	13	3		
Bari-Amendola 2	BA1	LEAF	0	6	0	0	2	2	2	32	0	3	4	0	0	0	1	0	0	14	10	2		
Benevento-Guerrazzi	BN	LEAF	0	2	0	2	0	0	0	3	0	0	0	0	0	2	0	0	0	0	2			
Bergamo-Caniana	BG	LEAF	0	2	0	0	2	0	0	4	0	2	0	0	0	0	0	0	4	0	1			
Bologna-Gobetti	BO3	LEAF	0	2	0	3	0	0	4	8	0	2	0	0	0	5	1	0	6	0	0			
Bologna-Morassutti	BO1	LEAF	0	5	0	0	4	3	30	25	0	5	3	0	0	14	7	2	2	16	2	3		
Bologna-Tecnopolo 1	BO4	LEAF	0	6	0	0	0	7	0	0	0	12	2	0	0	0	0	0	0	0	0			
Bologna-Tecnopolo 2	BO4	LEAF	0	6	0	0	0	7	0	0	0	12	2	0	0	0	0	0	0	0	0			
Brescia-Valotti	BS	LEAF	0	2	0	1	0	0	2	4	0	2	0	0	0	1	1	0	0	2	0	1		
Brindisi-Cittadella 1	BR	LEAF	0	2	0	3	0	0	0	13	0	0	0	0	2	1	0	0	2	7	1			
Brindisi-Cittadella 2	BR	LEAF	0	2	0	3	0	0	0	3	0	0	0	0	2	1	0	0	2	0	0			
Cagliari-Marengo	CA1	LEAF	0	2	0	3	2	0	4	6	0	0	0	0	0	4	2	0	4	2	0			
Cagliari-Monserrato Medicina	CA6	LEAF	0	2	0	3	0	0	0	3	0	0	0	0	0	1	2	0	2	0	0			
Caserta-Vivaldi	CE	LEAF	0	2	0	2	0	0	0	4	0	0	0	0	0	2	0	0	1	2	0			
Catania-Cittadella 1	CT1	LEAF	0	6	1	0	0	2	7	19	0	2	5	0	1	0	5	0	0	8	4	2		
Catania-Cittadella 2	CT1	LEAF	0	6	0	0	0	2	7	15	0	2	5	0	0	5	0	0	9	1	1			
Catanzaro-Germaneto	CZ	LEAF	0	2	0	2	0	0	0	7	0	0	0	0	0	2	0	0	1	4	0			
Como-Insubria	CO	LEAF	0	2	0	0	0	0	0	6	0	2	0	0	0	0	0	0	3	1	0			
Cosenza-Arcavacata	CS	LEAF	0	3	2	0	0	0	7	15	0	2	0	0	2	0	4	1	0	8	2	1		
Ferrara-Saragat 1	FE	LEAF	0	2	0	3	0	0	0	3	0	0	0	0	0	2	1	0	1	0	0	1		
Ferrara-Saragat 2	FE	LEAF	0	2	0	3	0	0	0	4	0	0	0	0	2	1	0	1	1	0	1			
Firenze-Arcetri	FIS	LEAF	0	2	0	0	1	0	0	4	0	0	0	0	0	0	0	2	2	0	0	0		
Firenze-Gore	FI2	LEAF	0	2	0	0	1	0	0	7	0	0	0	0	0	0	0	0	6	0	0			
Firenze-Proconsolo	FI4	LEAF	0	2	0	0	2	0	0	3	0	0	0	0	0	0	0	0	4	0	0			
Firenze-S.Marco	FI3	LEAF	0	2	0	1	3	0	2	12	0	2	0	0	0	2	0	0	11	1	0			
Firenze-Sesto	FI1	LEAF	0	2	0	2	4	0	4	4	0	2	0	0	0	0	3	2	0	7	0	0		
Foggia-Gramsci	FG	LEAF	0	2	0	2	0	0	0	15	0	0	0	0	0	2	0	0	5	5	1			
Frascati-Fermi 1	FRA	LEAF	0	3	0	2	0	2	3	6	0	3	2	0	0	1	3	0	1	3	0	0		
Frascati-Fermi 2	FRA	LEAF	0	2	0	2	0	1	2	0	0	2	1	0	0	1	2	0	0	0	0	0		
Genova-Vivaldi 1	GE1	LEAF	0	2	0	1	1	0	3	8	0	2	0	0	0	1	2	0	0	6	0	1		
Genova-Vivaldi 2	GE1	LEAF	0	2	0	1	0	0	3	7	0	2	0	0	0	1	2	0	0	4	0	1		
Genova-S.Martino	GE2	LEAF	0	2	0	0	1	0	0	4	0	2	0	0	0	0	0	0	4	0	0			
L'Aquila-Vetoio 1	AQ1	LEAF	0	2	0	2	1	0	0	4	0	1	0	0	0	2	0	0	0	3	0	1		
L'Aquila-Vetoio 2	AQ1	LEAF	0	2	0	2	1	0	0	6	0	1	0	0	0	2	0	0	0	3	0	2		
Lecce-Fiorini 1	LE	LEAF	0	3	0	3	0	0	3	20	0	0	0	0	0	2	3	0	0	6	9	0		
Lecce-Fiorini 2	LE	LEAF	0	2	0	3	0	0	3	0	0	0	0	0	2	3	0	0	0	0	0	0		
Matera-Terlecchia 1	MT	LEAF	0	2	0	3	0	0	0	3	0	2	0	0	0	2	1	0	0	0	0	2		
Matera-Terlecchia 2	MT	LEAF	0	2	0	3	0	0	0	3	0	2	0	0	0	2	1	0	0	0	0	2		
Mazara-Cantù	MAZ	LEAF	0	2	0	2	0	0	0	7	0	0	0	0	0	2	0	0	3	2	0	0		
Messina-Pugliatti	ME	LEAF	0	3	0	2	0	0	8	23	0	0	0	0	0	7	1	0	13	4	0			
Milano-Bicocca	MI8	LEAF	0	2	0	2	0	0	3	0	0	0	0	0	2	0	2	0	0	0	0	0		
Milano-Bovisa	MI4	LEAF	0	2	0	2	0	0	2	8	0	2	0	0	0	3	0	0	4	2	0	0		
Milano-Caldera	MI2	LEAF	0	3	0	0	0	0	10	10	0	3	0	0	0	6	1	0	7	0	0			
Milano-Colombo 1	MI3	LEAF	0	6	0	5	0	2	4	15	0	6	2	0	0	3	3	2	0	10	1	0		
Milano-Colombo 2	MI3	LEAF	0	6	0	5	0	2	4	17	0	6	2	0	0	2	5	1	0	11	2	0		
Milano-Lancetti	MI1	LEAF	0	2	0	0	1	0	4	0	0	2	0	0	0	3	0	0	1	0	0	0		
Monza-Brianza	MB	LEAF	0	2	0	2	0	0	3	4	0	0	0	0	0	2	0	2	1	0	2	0		
Napoli-Monte di Dio	NA2	LEAF	0	5	2	5	0	0	10	32	0	5	0	0	2	0	9	3	0	8	15	1		
Napoli-Mt.S.Angelo 1	NA1	LEAF	0	3	1	2	0	2	11	26	0	3	2	0	1	0	8	2	0	8	10	2		
Napoli-Mt.S.Angelo 2	NA1	LEAF	0	2	0	0	0	1	2	6	0	2	1	0	0	1	0	0	2	2	0	0		
Napoli-Portici	NA6	LEAF	0	3	0	5	0	0	3	16	0	0	0	0	0	1	6	0	2	6	4	0		
Padova-S.Francesco	PD1	LEAF	0	2	0	0	0	1	3	4	0	3	0	0	0	1	1	0	1	2	0	0		
Padova-Spagna	PD2	LEAF	0	3	0	1	4	2	7	12	0	5	0	0	0	1	2	3	0	9	1	3		
Palermo-Scienze 1	PA1	LEAF	0	6	1	0	0	0	3	41	0	2	3	0	1	1	0	1	0	10	21	0		
Palermo-Scienze 2	PA1	LEAF	0	6	0	0	0	0	2	2	0	2	3	0	0	0	1	0	0	0	0	1		
Pavia-Bassi	PV	LEAF	0	2	0	4	0	0	4	10	0	0	0	0	0	7	0	2	5	0	0	0		
Pavia-Ferrata	PV1	LEAF	0	2	0	4	0	0	0	7	0	0	0	0	0	0	4	0	0	5	0	0		
Pescara-Trieste	PE	LEAF	0	2	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0	3	0	0		
Perugia-Duranti 1	PG	LEAF	0	2	0	3	0	0	2	6	0	0	0	0	0	2	2	0	0	3	0	1		
Perugia-Duranti 2	PG	LEAF	0	2	0	3	0	0	3	3	0	0	0	0	0	2	3	0	0	2	0	0		
Pisa-Torricelli	PI1	LEAF	0	3	0	0	0	3	11	10	0	3	3	0	0	0	6	2	0	6	1	0		
Pisa-S.Piero a Grado 1	PI2	LEAF	0	2	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0		
Pisa-S.Piero a Grado 2	PI2	LEAF	0	2	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0		
Potenza-MacchiaRomana 1	PZ	LEAF	0	1	0	2	2	0	0	4	0	1	0	0	0	2	0	0	0	2	1	2		
Potenza-MacchiaRomana 2	PZ	LEAF	0	1	0	2	2	0	0	4	0	1	0	0	0	2	0	0	0	2	1	2		
Ragusa-Tessaglia	RG	LEAF	0	2	0	2	0	0	0	4	0	0	0	0	0	2	0	0	3	0	0	0		
Reggio Calabria - Melissari	RC	LEAF	0	2	0	2	0	0	3	2	0	0	0	0	0	4	0							

Roma-Tor Vergata 1	RM4	LEAF	0	3	0	4	0	0	3	10	0	3	0	0	0	3	2	1	2	5	0	0	
Roma-Tor Vergata 2	RM4	LEAF	0	2	0	3	0	0	2	11	0	2	0	0	0	3	1	0	1	7	0	0	
Salerno-Fisciano	SA1	LEAF	0	2	0	2	0	0	4	4	0	0	0	0	0	0	4	1	0	1	1	1	
Sassari-Macao 1	SS	LEAF	0	2	0	2	1	0	2	3	0	0	0	0	0	2	1	0	0	3	0	0	
Sassari-Macao 2	SS	LEAF	0	2	0	2	1	0	2	0	0	0	0	0	0	2	1	0	0	1	0	0	
Siracusa-Scala Greca	SR	LEAF	0	2	0	2	0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	1	
Taranto-Turismo	TA	LEAF	0	2	0	2	0	0	0	13	0	0	0	0	0	0	1	1	0	2	8	0	
Torino-Abruzzi	TO2	LEAF	0	2	0	0	0	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	
Torino-Giuria	TO1	LEAF	0	3	0	0	0	2	7	20	0	5	0	0	0	1	4	0	1	10	4	0	
Trapani-Fontanelle	TP	LEAF	0	2	0	2	0	0	0	6	0	0	0	0	0	0	2	0	0	3	1	0	
Trento-Briamasco	TN	LEAF	0	2	0	1	1	0	0	7	0	2	0	0	0	0	0	1	2	2	0	2	
Trento-Povo	TN1	LEAF	0	2	0	2	0	0	3	4	0	2	0	0	0	2	1	1	0	1	0	2	
Trieste-Valerio	TS1	LEAF	0	6	0	4	0	0	7	16	0	6	0	0	0	1	6	2	0	10	0	2	
Udine-Rizzi	UD	LEAF	0	2	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	
Urbino-Repubblica	UR	LEAF	0	2	0	0	2	0	0	10	0	0	0	0	0	0	0	0	1	2	0	6	
Venezia-Dorsoduro	VE	LEAF	0	2	0	1	4	0	0	6	0	2	0	0	0	0	1	0	0	6	1	1	
Venezia-Loredan	VE2	LEAF	0	2	0	0	2	0	0	3	0	0	0	0	0	0	0	0	0	3	0	1	
Venezia-S.Lorenzo	VE3	LEAF	0	2	0	0	1	0	0	6	0	0	0	0	0	0	0	0	0	4	0	1	
Venezia-Cotonificio	VE4	LEAF	0	2	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	2	0	1	
Venezia-Torino	VE9	LEAF	0	2	0	2	3	0	0	0	0	2	0	0	0	0	1	1	0	3	0	0	
Verona-S.Francesco	VR	LEAF	0	2	0	1	0	0	2	0	0	2	0	0	0	0	2	0	0	0	0	0	
Milano-Caldera	MI2	EDGE	0	12	0	0	0	8	8	0	0	12	9	0	0	0	6	0	0	0	0	0	
Milano-Lancetti	MI1	EDGE	0	12	0	0	0	7	2	0	0	12	8	0	0	0	1	0	0	0	0	0	
Roma-Tizii	RM2	EDGE	0	6	0	0	0	2	2	0	0	6	2	0	0	0	1	0	0	0	0	0	
Milano-Caldera	MI2	SPINE	6	35	0	14	0	0	0	0	6	30	4	0	0	0	14	0	0	0	0	0	
Milano-Lancetti	MI1	SPINE	8	41	0	11	0	0	0	0	8	36	4	0	0	0	10	1	0	0	0	0	
Bologna-Morassutti	BO1	SPINE	8	43	0	10	0	0	0	0	8	36	5	0	0	0	10	0	0	0	0	0	
Roma-Tizii	RM2	SPINE	6	44	0	12	0	0	0	0	6	36	5	0	0	0	10	2	0	0	0	0	
Napoli-Mt.S.Angelo 1	NA1	SPINE	0	23	4	5	0	0	0	0	0	18	3	0	4	0	5	0	0	0	0	0	
Bari-Amendola	BA1	SPINE	0	23	3	8	0	0	0	0	0	18	3	0	3	0	8	0	0	0	0	0	
Catania-Cittadella	CT1	SPINE	0	12	1	5	0	0	0	0	0	3	6	0	1	0	5	0	0	0	0	0	
Palermo-Scienze	PA1	SPINE	0	12	0	8	0	0	0	0	0	3	6	0	0	0	8	0	0	0	0	0	
Padova-S.Francesco	PD1	SPINE	3	18	0	3	0	0	0	0	3	18	0	0	0	0	3	0	0	0	0	0	
Padova-Spagna	PD2	SPINE	3	11	0	9	0	0	0	0	3	12	0	0	0	0	9	0	0	0	0	0	
Torino-Giuria	TO1	SPINE	0	18	0	4	0	0	0	0	0	18	0	0	0	0	4	0	0	0	0	0	
Pisa-Torricelli	PI1	SPINE	0	18	0	4	0	0	0	0	0	18	0	0	0	0	4	0	0	0	0	0	
INFRA	BA1	LEAF	0	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	
INFRA	BA1	LEAF	0	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	
INFRA	BO1	LEAF	0	3	0	4	0	0	0	0	0	3	0	0	0	4	0	0	0	0	0	0	
INFRA	RM1	LEAF	0	3	0	1	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	
INFRA	RM1	LEAF	0	3	0	1	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	
INFRA	RM2	LEAF	0	3	0	1	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	
INFRA	RM2	LEAF	0	3	0	1	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	
CSD	CT1	LEAF	0	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	
CSD	CT1	LEAF	0	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	
CSD	NA2	LEAF	0	1	2	4	0	0	0	0	0	1	0	2	0	4	0	0	0	0	0	0	
CSD	CS	LEAF	0	1	2	4	0	0	0	0	0	1	0	2	0	4	0	0	0	0	0	0	
CSD	PA1	LEAF	0	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	
CSD	PA1	LEAF	0	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	
TOTALE			123	34	622	32	265	59	67	290	876	34	471	116	16	16	95	324	50	27	423	167	90

TOTALE SPINE	12
TOTALE EDGE	3
TOTALE LEAF	108

PoP	Sigla	Apparati	OTTICHE	
			10G SR	10G LR
Bologna-Morassutti	BO1	VRR		
Milano-Lancetti	MI1	VRR		
Milano-Caldera	MI2	VRR		
Roma-Tizii	RM2	VRR		

SUITE DI STRUMENTI HARDWARE E SOFTWARE PER LA GESTIONE ED AUTOMAZIONE DEI PROCESSI GESTIONALI DELLA RETE

PoP	Sigla	Apparati	OTTICHE	
			<i>10G SR</i>	<i>10G LR</i>
Roma-Tizii	RM2	primario		
Roma-Sapienza	RM1	secondario		

SISTEMA DI MITIGAZIONE DDoS

PoP	Sigla	Apparati	OTTICHE	
			<i>10G SR</i>	<i>10G LR</i>
Roma-Tizii	RM2			