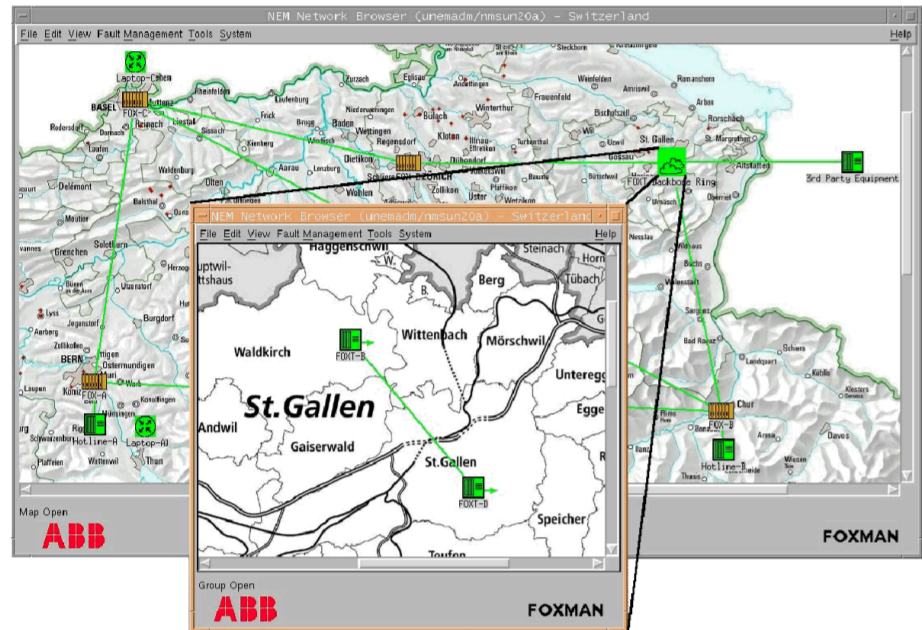
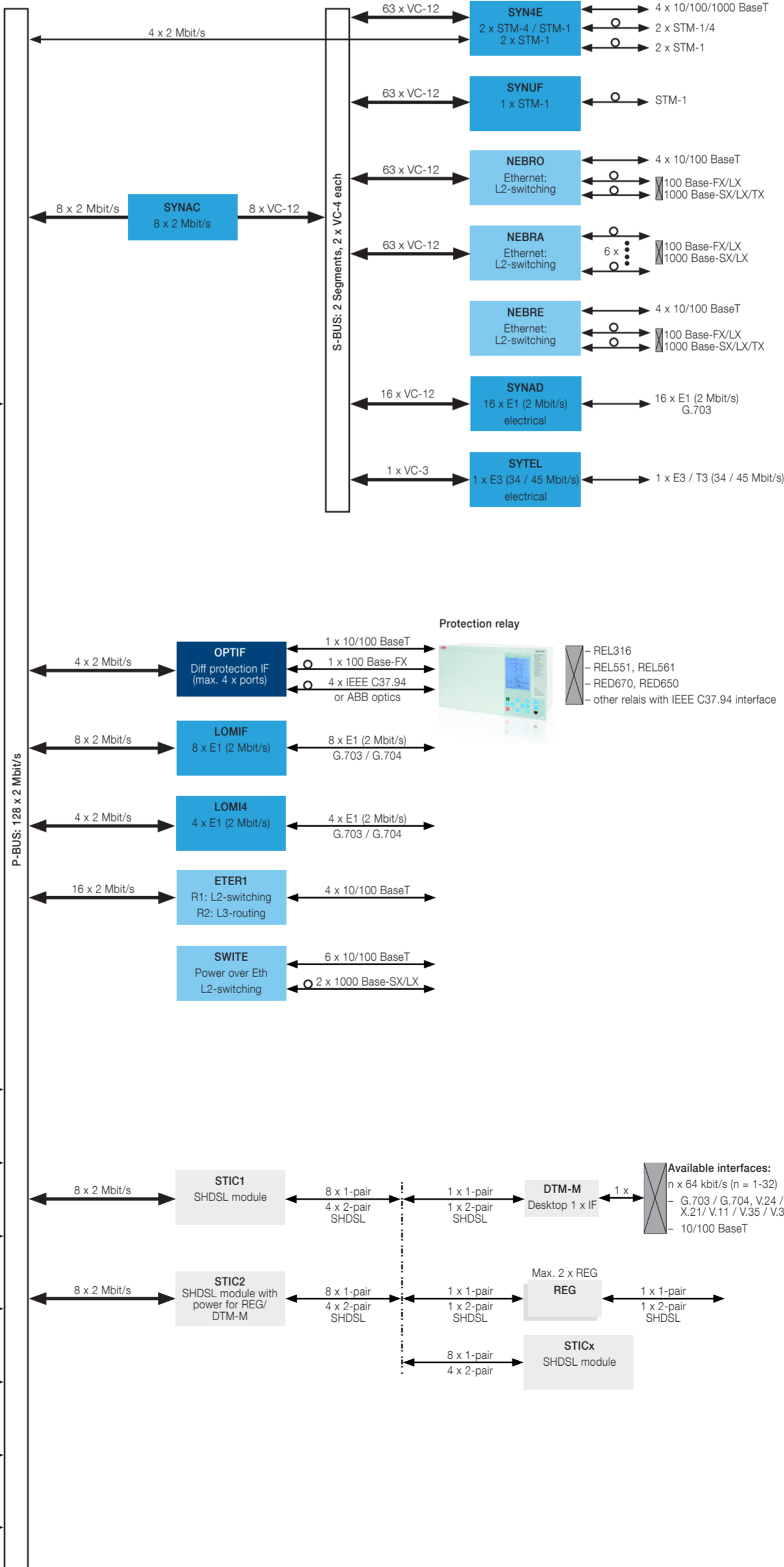
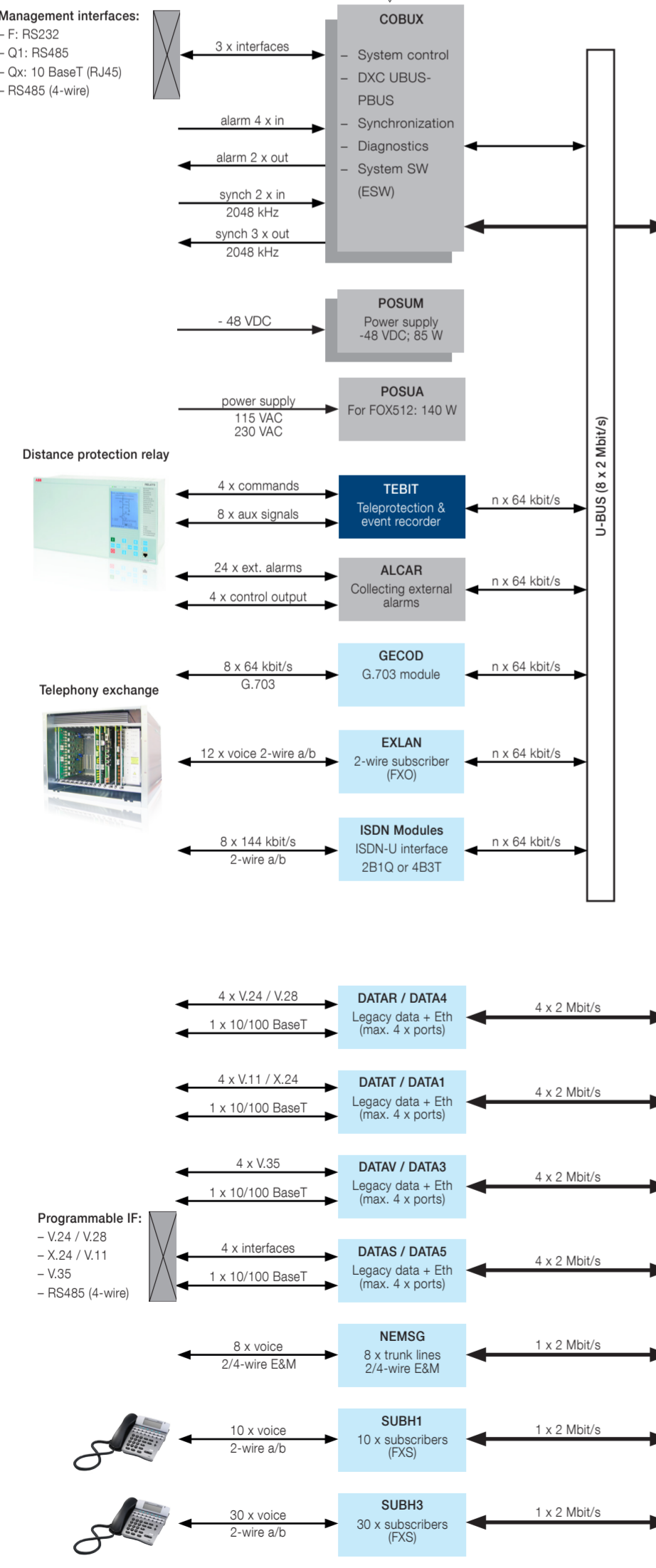


FOX512 & FOX515 Technical Data

PDH / SDH Multi-Service Multiplexer



FOXMAN-UN network management system



Type tests witnessed by KEMA, Holland

Electromagnetic compatibility	
EMC	EN 300 386 V1.3.3 IEC 61 000-6-3 IEC TS 61 000-6-5 ANSI IEEE C37.1 ANSI IEEE C37.90.1 ANSI IEEE C37.90.2 ANSI IEEE C37.90.3
Emission	
Immunity	EN 300 386 V1.3.2 IEC 61 000-4-3, EN 61 000-4-3 IEC 61 000-4-4, EN 61 000-4-4 IEC 61 000-4-5, EN 61 000-4-5 IEC 61 000-4-6, EN 61 000-4-6
ESD	
	IEC 61 000-4-2, EN 61 000-4-2
Shock and vibration	
	IEC 60 721-3-3, class 3M1 IEC 60 721-3-2, class 2M1
Ambient conditions	
Storage (not for batteries BATMO)	ETS 300 019-1-1, class 1.2
Temperature range	- 40°C ... + 70°C
Humidity	Clima diagram class 1.2
Transport (not for batteries BATMO)	ETS 300 019-1-2, class 2.2
Temperature range	- 40°C ... + 70°C
Humidity	Clima diagram class 2.2
Operation	ETS 300 019-1-3, class 3.2
Temperature range without fan	- 20°C ... + 55°C
Startup temperature	- 20°C
Humidity	max 95%, non-condensing Clima diagram class 3.2

SFP overview

	SYNUF	SYN4E	NEBRx	SWITE	OPTIF
STM-1 electrical	x	x			
S-1.1	x	x			
L-1.1	x	x			
L-1.2	x	x			
X-1.2	x	x			
CWDM	x	x			
S-4.1		x			
L-4.1		x			
L-4.2		x			
X-4.2		x			
100 BASE-SX					x
100 BASE-FX			x		x
100 BASE-LX			x		
1000 BASE-SX			x	x	
1000 BASE-LX			x	x	
1000 BASE-TX			x	x	

- Main FOXMAN-UN network management system features**
- Full-featured management system for various ABB communication equipment including FOX515/512, FOX660 and legacy FOX-U
 - Supervision of communication network
 - Graphical network display with comprehensive fault management
 - Alarm list
 - Event list
 - Configuration management
 - Full configuration of network elements
 - Backup of configurations
 - Security management
 - Performance management as per ITU-T G.826
 - End to end trail handling

