

Claro Family 30 Technical Specifications

	Claro Family 30 Analog	Claro Family 30 BRI	Claro Family 30 Digital (T1)	Claro Family 30 Digital (E1)
Maximum Voice Channels				
PSTN/PBX	4/8	4/8	23	30
IP	5/10	5/10	10/15/23	10/15/23/30
Telephony Interface				
PBX/Phone	FXS	BRI S/T-NT	T1 PRI	E1 PRI
PSTN	FXO	BRI S/T-TE	T1 PRI	E1 PRI
End-to-end DTMF	✓	✓	✓	✓
En-block & overlap phone Numbering sending support		✓	✓	✓
Signaling Protocols	Loop Start Reverse battery Power denial	Euro ISDN (EDSS-1)	Nortel DMS-100 National ISDN-2 NTT, KDD, QSIG (basic call) Hong Kong Tel AT&T 5ESS, AT&T 4ESS	Euro ISDN VNG 1TR6 QSIG (basic call)
Line impedance	600/900/complex	100 ohm	100 ohm	120 ohm
Connector type	RJ-11	RJ-45	RJ-45	RJ-45

VoIP Specifications

IP Telephony Protocol Support	H.323 v4 SIP v2 Dynamic protocol selection
IP Transport	RTP/RTCP
Voice Encoding	G.711 (A-law, μ -law) G.723.1 G.729AB G.726/32 NetCoder®
Voice Quality	IP TOS Diff Serv Adaptive, dynamic jitter buffer Line Echo Cancellation ITU G.165, ITU G.168 Multi-level error correction Bad frame interpolation Comfort noise generation (CNG) Voice activity detection (VAD)/Silence Suppression
Fax Relay	T.38 real-time fax protocol
LAN Interface	10/100 Base-T Ethernet auto sensing RJ-45 connector (IEEE 802.3)
NAT traversal	Supported
Multi Path Switching	Supported
PSTN back-up	Supported



IP Gear

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Configuration and Management

Browser-based configuration and monitoring application	SNMP support
PRI line wiring test	Call detail records (CDRs)
Software and Hardware Bypass mode	RS-232 ports for maintenance

Security

SSH™ encryption during remote diagnostics and version updates
Authentication with IVR/internal tables, PIN, Caller ID
Security lock for firewall configuration
Voice and signaling AES encryption

Power

Input power	100-240 VAC, 50/60Hz
Power consumption	30 Watts Maximum

Environments

Operating temperature	0-40°C (32-104°F)
Storage temperature	-40-75°C (-40-167°F)
Operating humidity	10-90% non-condensing

Regulatory

Emissions	EN55022:98, EN6100:3, 47CFRP15, CES-003:97
Immunity	EN55024:98
Safety	EN60950, UL 60950, CSA 22.2 950
Telecommunications	FCC part 68

Mechanical

Dimensions (WxHxD)	43.7cm x 4.16cm x 25.4cm
(1U)	(17.2" x 1.64" x 10")
Weight	1.8 kg (4 lbs)

Claro Ordering

Product ID	Ports/Channels
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Claro Family 30 Analog

Claro 30-A8-5	4 FXS+4FXO, 5 VoIP Ch.
Claro 30-A16-10	8 FXS+8FXO, 10 VoIP Ch.

Claro Family 30 BRI

Claro 30-B4-5	2xNT+2xTE BRI ISDN, 5 VoIP Ch.
Claro 30-B8-10	4xNT+4xTE BRI ISDN, 10 VoIP Ch.

Claro Family 30 Digital (T1)

Claro 30-T2-10	2xT1 PRI, 10 VoIP Ch.
Claro 30-T2-15	2xT1 PRI, 15 VoIP Ch.
Claro 30-T2-24	2xT1 PRI, 23 VoIP Ch.

Claro Family 30 Digital (E1)

Claro 30-E2-10	2xE1, 10 VoIP Ch.
Claro 30-E2-15	2xE1, 15 VoIP Ch.
Claro 30-E2-23	2xE1, 23 VoIP Ch.
Claro 30-E2-30	2xE1, 30 VoIP Ch.



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