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sequel to page 1

8 Settings

8.1 PC / trace

Off  
Auto PC sync.  
Manual PC sync.

8.2 Profiles

Profile 1  
---  
Profile 10

8.2.1 Line parameters

8.2.1.1 ADSL

ADSL mode  
Annex A auto [def]  
Annex B auto\*  
ADSL2+ Annex A  
ADSL2+ Annex B\*  
ADSL2 Annex A  
ADSL2 Annex B\*  
G.DMT (G.992.1)  
Annex B ETSI\*  
ANSI T1.413  
Annex B DT/ITU\*  
ReADSL2 Annex L  
Rated value  
d: xx  
[def: 0]  
u: xx  
[def: 0]  
Shutdown mode  
Dying gasp [def]  
Orderly shutdown

8.2.1.2 SHDSL\*

Spectrum  
Annex A SHDSL  
Annex B SHDSL [def]  
Annex F SHDSL.bis\*  
Annex G SHDSL.bis\*  
Clock/framing  
automatic  
synchronous [def]  
plesiochronous  
Channel select (TDM)  
g.SHDSL  
B channels: x  
Z channels: x  
g.SHDSL.bis\*  
B channels: x  
Z channels: x  
Datarate (ATM)  
g.SHDSL  
Rate: x  
g.SHDSL.bis\*  
Rate: x  
Power back off  
db: xx  
[def: 0]  
EOC usage  
Off  
on (passive)  
on (active) [def]  
EOC mode\*  
ITU standard [def]  
QD2 Lite  
Alc. Litespan  
Lucent anymedia  
Sync word  
xx xx xx xx xx xx (hex)  
3F 16 1f 03 3C 0C [def]  
Message mode  
GHS Mode A  
GHS Mode B [def]  
GHS Mode C  
GHS Mode D  
Vendor info field  
xx xx  
15 35 [def]  
Wire pairs\*  
manual  
Wire pair 4-5  
Wire pair 3-6  
Wire pair 7-8  
Wire pair 1-2  
auto

8.2.1.3 Ethernet

Autonegotiation  
On [def]  
Off  
Speed  
100 Mbit/s  
10 Mbit/s  
Duplex  
Full  
Half  
Flow Control  
On  
Off

8.2.1.4 Protocol

PPPoE [def]  
PPPoA  
IPoA  
IP  
EoA  
PPTP

8.2.1.5 PPP

User name  
User name: xxxxx  
Password  
Password: xxxxxx  
Set WAN IP  
No [def]  
Yes  
Activation delay  
sec: xx

8.2.1.6 PPTP

Server IP address  
x.x.x.x  
0.0.0.0 [def]

8.2.1.7 ATM

Standard VC  
VPI/VCI  
VPI: xxx  
VCI: xxx  
32 [def]  
Encapsulation  
LLC [def]  
VC-MUX  
Multicast VC 1-3  
Use VC  
No  
Yes  
VPI/VCI  
VPI: xxx  
1 [def]  
VCI: xxx  
32 [def]  
Encapsulation  
LLC [def]  
VC-MUX  
Auto ATM  
No  
Yes

8.2.1.8 LAN

IP mode  
Static IP [def]  
DHCP client  
DHCP server  
DHCP auto  
local IP address  
x.x.x.x  
0.0.0.0 [def]  
IP net mask  
x.x.x.x  
255.255.255.0 [def]  
Gateway IP address  
x.x.x.x  
0.0.0.0 [def]  
DHCP Server  
Start/end address  
x.x.x.x  
0.0.0.0 [def]  
x.x.x.x  
0.0.0.0 [def]  
Domain  
xx  
Reserve time  
hours: xxx  
240 [def]  
DHCP Timeout  
sec: xx  
30 [def]  
MAC-address  
xx:xx:xx:xx:xx:xx  
00:00:00:00:00:00  
VLAN  
Use VLAN  
No  
Yes  
ID  
ID: xxxxx  
0 [def]  
Priority  
Priority: x  
0 [def]

8.2.1.9 WAN

IP mode  
Static IP [def]  
DHCP client  
local IP address  
x.x.x.x  
0.0.0.0 [def]  
IP net mask  
x.x.x.x  
255.255.255.0 [def]  
remote IP address  
x.x.x.x  
0.0.0.0 [def]  
DHCP timeout  
sec: xx  
20 [def]  
MAC-address  
xx:xx:xx:xx:xx:xx  
00:00:00:00:00:00  
VLAN  
Use VLAN  
No  
Yes  
ID  
ID: xxxxx  
0 [def]  
Priority  
Priority: x  
0 [def]

8.2.1.10 Bonding

auto  
IMA 1.0  
IMA 1.1

8.2.1.11 Router

NAT on [def]  
NAT off

8.2.1.12 DNS server

DNS server 1  
x.x.x.x  
0.0.0.0 [def]  
DNS server 2  
x.x.x.x  
0.0.0.0 [def]

8.2.1.13 Data log

Off [def]  
on

8.2.1.14 DHCP vendor ID

Format  
ASCII [def]  
HEX  
ASCII data  
xxxxxx  
HEX data  
xxxxxx

8.2.1.15 DHCP vendor info

Format  
ASCII  
HEX  
ASCII data  
xxxxxx  
HEX data  
xxxxxx

8.2.1.16 DHCP User Class I.

Format  
ASCII [def]  
HEX  
ASCII data  
xxxxxx  
HEX data  
xxxxxx

8.2.1.17 DHCP User-def. Opt.

Number  
xxx  
Format  
ASCII  
HEX  
ASCII data  
xxxxxx  
HEX data  
xxxxxx

8.2.1.18 Argus coupling

off [def]  
on

8.2.2 see page 3, 4

8.2.3 see page 4

8.3 see page 5

8.4 see page 5

8.5 see page 5

8.6 see page 5

8.7 see page 5

8.8 see page 5

8.9 see page 5

8.10 see page 5

ARGUS® 145 Menu - Test Parameters - Settings for xDSL- and IP Features

(valid since version 2.20) - page 3 of 5 -

sequel to page 2																	
8	Settings																
8.1	see page 2																
8.2	Profiles	8.2.1	see page 2														
	Profile 1																
	---	8.2.2.	Test parameters														
	Profile 10	8.2.2.1	IP ping	8.2.2.2	Traceroute	8.2.2.3	HTTP-Download	8.2.2.4	FTP-Download	8.2.2.5	FTP upload	8.2.2.6	VPI/VCI Scan	8.2.2.7	ATM OAM ping	8.2.2.8	ATM BERT*
			IP address		IP address		Serverprofil 1		Serverprofil 1		Serverprofil 1		VPI		VPI/VCI		Duration
			1 - 10		1 - 10		---		---		---		VPI range:		VPI: xxx [def: 1]		hh:mm [def: 00:01]
			As number [def]		As number [def]		Serverprofil 10		Serverprofil 10		Serverprofil 10		Start: xx [def: 0]		VCI: xxx [def: 32]		VPI/VCI
			As name		As name							End: xx [def: 8]			Number of pings		VPI: xxx [def: 1]
			Number of pings		Maximal hops		Server		Server		Server		VCI		xx [def: 3]		VCI: xxx [def: 32]
			Pings: xx [def: 10]		xx [def: 25]		xxxxx		xxxxx		xxxxx		VCI range:				Bit pattern
			Delay		Probes		Download-Filename		Download-Filename		Download-Filename		Start: xx [def: 32]				(2^11)-1 [def]
			sec: xx [def: 1]		xx [def: 3]		xxxxx		xxxxx		xxxxx		End: xx [def: 48]				(2^11)-1/inverse
			Packet size		Timeout		Upload-Filename		Upload-Filename		Upload-Filename		Number of pings				(2^15)-1
			Byte: xx [def: 84]		sec: xx [def: 3]		xxxxx [def: file]		xxxxx [def: file]		xxxxx [def: file]		xx [def: 2]				(2^15)-1/inverse
			Fragmentation				Upload-Filesize		Upload-Filesize		Upload-Filesize		Timeout				(2^20)-1
			On [def]				xxxxx [def: 1000 Byte]		xxxxx [def: 1000 Byte]		xxxxx [def: 1000 Byte]		sec: xx [def: 0.5]				(2^20)-1/inverse
			Off				User name		User name		User name						(2^23)-1
			Auto				xxxxx		xxxxx		xxxxx						(2^23)-1/inverse
							Password		Password		Password						SPACE (0000)
							xxxxx		xxxxx		xxxxx						MARK (1111)
							Number of uploads		Number of uploads		Number of uploads						User defined
							xxxx [def: 3]		xxxx [def: 3]		xxxx [def: 3]						0000000000000000 [def]
							Profile name		Profile name		Profile name						Threshold
							xxxx		xxxx		xxxx						1E-06 [def]
																	HRX value
																	xx %
																	30 % [def]
																	Data rate
																	xxx (kbit/s)
																	32 kBit/s [def]
		8.2.2.9	see page 4	8.2.2.10	see page 4	8.2.2.12	see page 4	8.2.2.11	see page 4								
		8.2.3	see page 4														
8.3	see page 5																
8.4	see page 5																
8.5	see page 5																
8.6	see page 5																
8.7	see page 5																
8.8	see page 5																
8.9	see page 5																
8.10	see page 5																

ARGUS® 145 Menu - Test Parameters - Settings for xDSL- and IP Features


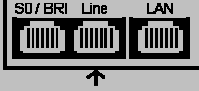

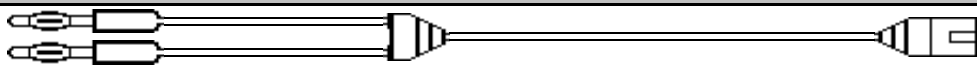
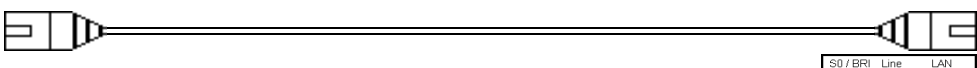
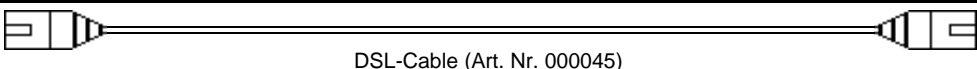
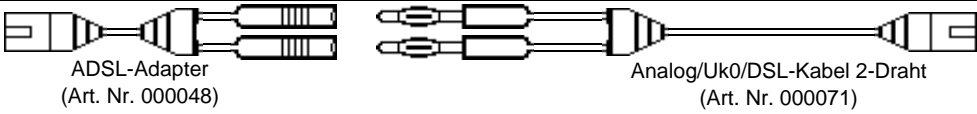
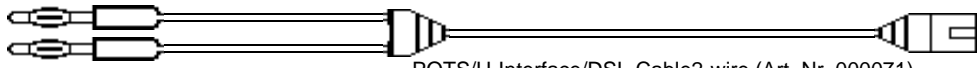
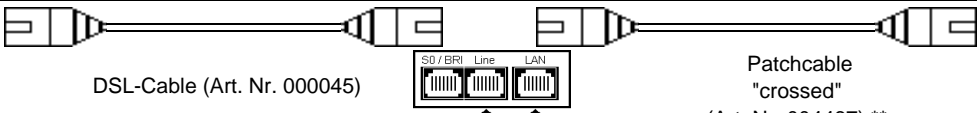
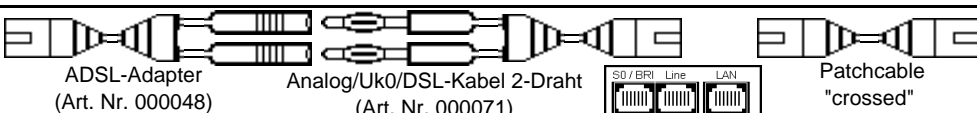
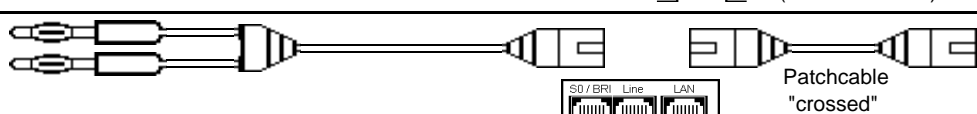
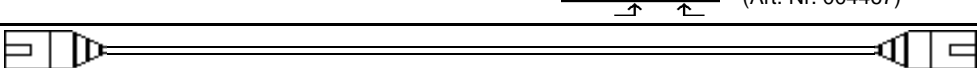
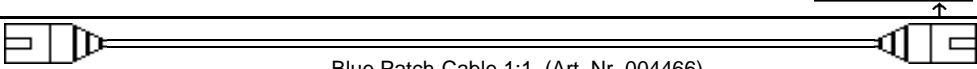

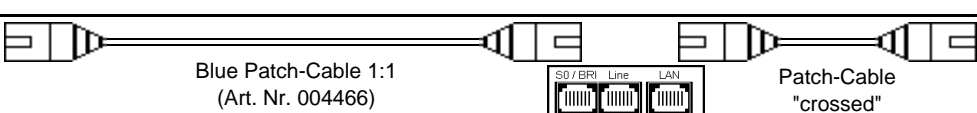
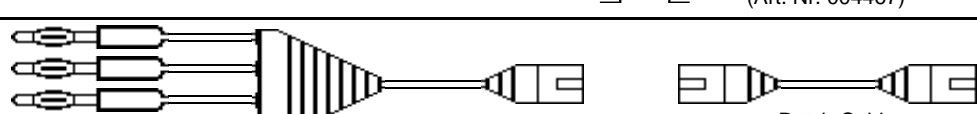
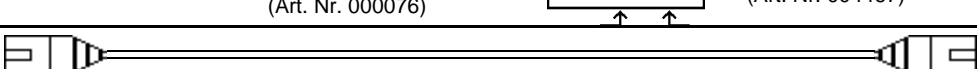
(valid since version 2.20) - page 4 of 5 -

sequel to page 3																	
8	Settings																
8.1	see page 2																
8.2	Profiles	8.2.1	see page 2														
	Profile 1																
	---	8.2.2	Test parameters														
	Profile 10																
		8.2.2.1	see page 3	8.2.2.2	see page 3	8.2.2.3	see page 3	8.2.2.4	see page 3	8.2.2.5	see page 3	8.2.2.6	see page 3	8.2.2.7	see page 3	8.2.2.8	see page 3
		8.2.2.9	IP-TV*	8.2.2.10	VoIP*						8.2.2.11	IP-TV Scan*	8.2.2.12	MDI analysis*			
			IP-TV Profil 1														
			---														
			IP-TV Profil 3														
			Type of stream														
			UDP-UNICAST [def]	8.2.2.10.1	Destinations	8.2.2.10.2	SIP settings	8.2.2.10.3	Phone settings	8.2.2.10.4	User name						
			UDP-MULTICAST				Registrar		Call acceptance		xxxxxx						
			UDP-SSM				Use Registrar		automatic [def]								
			RTSP / VoD				no		Echo test								
			HTTP				yes		Jitterbuffer								
			FTP				Registrar server		Off [def]								
			MMS				xxxxxx		On								
			Server address				Outbound proxy/SBC		Jitterbuffer								
			xxxxxx				Use Proxy		static								
			Multicast IP				no		nom.: xxx								
			xxxxxx				yes		60 [def]								
			Port				Outb.proxy/SBC		adaptiv								
			xx [def: 0]				xxxxxx		min <= init < max								
			Filename				Out.p./SBC port		xxx xxx xxx								
			xxxxxx				Port no: xxxxx		60 60 120 [def]								
			IGMP Version				5060 [def]		Codecs								
			xx [def: 2]				STUN server		G.711 Alaw								
			RTSP type				Use STUN		G.711 ulaw								
			TCP [def]				no		G.723.1								
			UDP				yes		G.729 A/B								
			Jitter buffer				STUN server		G.726								
			xx				xxxxxx		DTMF settings								
			300 [def]				SIP domain		Mode								
			Threshold				xxxxxx		automatic [def]								
			Jitterbuffersize				Listen port		SIP info								
			ms: xx [def: 8]				Port no: xxxxx		RFC 2833								
			Latency				5060 [def]		inband								
			ms: xx [def: 500]				Remote port		Time								
			Continuity Error				Port no: xxxxx		xxx ms								
			xx% [def: 0.1 %]				5060 [def]		80 ms [def]								
			Profile name				Authentication										
			xxxxxx				xxxxxx										
							Caller ID										
							xxxxxx										
							User agent										
							xxxxxx										
							argus [def]										
							Type of Service										
							xxxxxx										
							18 [def]										
							Qualify										
							no										
							yes										
							Expiry										
							xxxx sec.										
							3600 [def]										
8.3	see page 5																
8.4	see page 5																
8.5	see page 5																
8.6	see page 5																
8.7	see page 5																
8.8	see page 5																
8.9	see page 5																
8.10	see page 5																

sequel to page 4		ARGUS® 145 Menu - Settings for ISDN- and POTS Features															
8	Settings																
8.1	see page 2																
8.2	see pages 2, 3, 4																
8.3	ISDN																
8.3.1	L1 permanent ? Yes No [def]	8.3.2	Protocol Automatic [def] 1TR6 DSS1 CorNet-N / -T CorNet-NQ QSIG VN4	8.3.3	Alerting mode Automatic [def] Manual	8.3.4	clock mode Slave [def] Master	8.3.5	BRI termination Off [def] On	8.3.6	Call parameters Net-CGN-TON unknown international national network spec. subscriber abbreviated Net-CGN-NP unknown ISDN/telephony data telex national stand. privat Net-CDN-TON like Net-CGN-TON Net-CDN-NP like Net-CGN-NP User-CGN-TON like Net-CGN-TON User-CGN-NP like Net-CGN-NP User-CDN-TON like Net-CGN-TON User-CDN-NP like Net-CGN-NP CGN subaddress xxxx CGN Subad. Type User specific NSAP CDN Subaddress xxxx CDN Subad. Type like CGN Subad. Type UUI xxxx	8.3.7	Services User specified 1 User specified 2 User specified 3	8.3.8	Call acceptance all MSN/DDI [def] own MSN/DDI	8.3.9	Voice coding A-Law [def] µ-Law
8.4	BERT																
8.4.1	BERT time hh:mm 00:01 [def]	8.4.2	Bit pattern BRI/U0 (2^15)-1 (2^11)-1 [def] User defined 0000000000000000 [def]	8.4.3	Bit pattern SHDSL (2^15)-1 [def] (2^11)-1 User defined 0000000000000000 [def]	8.4.4	Error level 1E-06 [def]	8.4.5	HRX value xx % 15% [def]								
8.5	PESQ																
8.5.1	Mode ARGUS loop Send	8.5.2	Call number a/b xxxxxx	8.5.3	Call number ISDN xxxxxx	8.5.4	VoIP destination xxxxxx										
8.6	POTS																
8.6.1	Dial mode DTMF [def] Pulse mode	8.6.2	CLIP mode FSK [def] DTMF	8.6.3	DTMF parameters Level [db] xx [db] [def: -3] Time [ms] xx [ms] [def: 80] Interval xx [ms] [def: 80] Defaults Yes / No	8.6.4	FLASH time xx [ms] 80 ms [def]										
8.7	X.31 profile*																
8.7.1	X.31 Profil 1 --- X.31 Profil 3	8.7.1.1	Packet number xxxxxx Packet Count: 10 [def]	8.7.1.2	TEI xx (xx = automatic)	8.7.1.3	LCN xxxx LCN: 1 [def]	8.7.1.4	Packet size 16 Byte 32 Byte 64 Byte 128 Byte [def] 256 Byte	8.7.1.5	Agree packet size No [def] Yes	8.7.1.6	Window size 1 packet 2 packets [def] -- 7 packets	8.7.1.7	Agree window size No [def] Yes	8.7.1.8	Throughput 75 bit/s 150 bit/s 300 bit/s 600 bit/s 1200 bit/s [def] 2400 bit/s 4800 bit/s 9600 bit/s
		8.7.1.9	Agree Throughput No [def] Yes	8.7.1.10	User data Format ASCII [def] HEX ASCII data xxx 1-3 HEX data 01 00 00 00 45 43 48 4F [def] 01 00 00 00 30 30 47 47 xx xx xx xx xx xx xx xx	8.7.1.11	CUG No [def] Yes	8.7.1.12	CUG index xxx Index: 1 [def]	8.7.1.13	D bit Local [def] End to End	8.7.1.14	Facilities 1/3 --- 3/3	8.7.1.15	Profile name xxxxxxxxxx		
8.8	Device																
8.8.1	Menu language Deutsch [def] English Francais	8.8.2	LCD contrast low ----- high	8.8.3	Date / time Date: xx.xx.xx Time: xx:xx	8.8.4	PC-Interface USB [def] V.24	8.8.5	V.24 baud rate max 230400 Baud max 115200 Baud max 57600 Baud [def] max 38400 Baud max 28800 Baud max 19200 Baud max 9600 Baud	8.8.6	Alarm bell Off [def] On	8.8.7	Power Management Automatic turn off after 5 minutes after 10 minutes after 15 minutes after 30 minutes deativtated Lighting after 30sec. after 1 minutes after 5 minutes	8.8.9	Software option Insert key: xxx-xxxx-xxx		
8.9	Numbers																
	Dest. Number 1-8 X.31 number Own number																
8.10	Reset																



# Cable plan ARGUS® 145 (valid since version 2.20) - page 1 of 1 -

Interface	ARGUS Operating-mode	Connection	<div>  <div>ARGUS - Connection cable</div> <div>  </div> </div>	<div>  </div> <div>Pin allocation</div>
POTS* U-Interface*	TE / Monitor TE	Banana	 <div>POTS/U-Interface/DSL-Cable 2-wire (Art. Nr. 000071)</div>	<div> <div>Ban</div> <div>rd</div> <div>bk</div> </div> <div> <div>RJ45</div> <div>7</div> <div>8</div> </div>
BRI*	TE	RJ45	 <div>BRI-Cable (Art. Nr. 000041)</div>	<div> <div>RJ45</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> </div> <div> <div>RJ45</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> </div>
ADSL SHDSL 2-wire*	ADSL STU-R 2-wire	RJ11	 <div>DSL-Cable (Art. Nr. 000045)</div>  <div>ADSL-Adapter (Art. Nr. 000048)      Analog/Uk0/DSL-Kabel 2-Draht (Art. Nr. 000071)</div>	<div> <div>RJ11</div> <div>3</div> <div>4</div> </div> <div> <div>RJ45</div> <div>7</div> <div>8</div> </div>
		Banana	 <div>POTS/U-Interface/DSL-Cable 2-wire (Art. Nr. 000071)</div>	<div> <div>Ban</div> <div>rd</div> <div>bk</div> </div> <div> <div>RJ45</div> <div>7</div> <div>8</div> </div>
	Bridge / Router	RJ11	 <div>DSL-Cable (Art. Nr. 000045)      Patchcable "crossed" (Art. Nr. 004467) **</div>  <div>ADSL-Adapter (Art. Nr. 000048)      Analog/Uk0/DSL-Kabel 2-Draht (Art. Nr. 000071)      Patchcable "crossed" (Art. Nr. 004467) **</div>	<div> <div>Patchcable</div> <div>"crossed"</div> </div>
		Banana	 <div>Patchcable "crossed" (Art. Nr. 004467) **</div>	<div> <div>RJ45</div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> </div> <div> <div>RJ45</div> <div>3</div> <div>6</div> <div>1</div> <div>4</div> <div>5</div> <div>2</div> <div>7</div> <div>8</div> </div>
		RJ45	 <div>Blue Patch-Cable 1:1 (Art. Nr. 004466) ***</div>	<div> <div>RJ45</div> <div>1-8</div> </div> <div> <div>RJ45</div> <div>1-8</div> </div>
SHDSL 4-wire*	STU-R 4-wire	RJ45	 <div>Blue Patch-Cable 1:1 (Art. Nr. 004466)</div>	<div> <div>RJ45</div> <div>1-8</div> </div> <div> <div>RJ45</div> <div>1-8</div> </div>
		Banana	 <div>SHDSL 4-wire-Cable (Art. Nr. 000076)</div>	<div> <div>Ban</div> <div>rd (L2)</div> <div>rd (L1)</div> <div>bk (L1)</div> <div>bk (L2)</div> </div> <div> <div>RJ45</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> </div>
	Bridge / Router	RJ45	 <div>Blue Patch-Cable 1:1 (Art. Nr. 004466)      Patch-Cable "crossed" (Art. Nr. 004467) **</div>	
		Banana	 <div>SHDSL 4-wire-Cable (Art. Nr. 000076)      Patch-Cable "crossed" (Art. Nr. 004467) **</div>	
SHDSL 8-wire*	STU-R 8-wire	RJ45	 <div>Blue Patch-Cable 1:1 (Art. Nr. 004466)</div>	<div> <div>RJ45</div> <div>1-8</div> </div> <div> <div>RJ45</div> <div>1-8</div> </div>

\* optional

\*\* or Blue Patch-Cable 1:1 (Art. Nr. 004466) (depends on far end)

\*\*\* or Patchcable "crossed" (Art. Nr. 004467) (depends on far end)

## ARGUS® 145 - Modi, protocols, tests, parameters - overview

Access		Ethernet		ADSL			
Mode				ARGUS-Bridge	ARGUS-Router	ARGUS-ADSL	
Protocol		PPPoE	IP		PPPoE	PPPoE	w/o prot.
Tests	IP ping	•	•		•	•	
	Traceroute	•	•		•	•	
	HTTP-Download	•	•		•	•	
	FTP-Download	•	•		•	•	
	FTP-Upload	•	•		•	•	
	VPI/VCI Scan						•
	ATM-OAM-Ping						•
	ATM BERT*						•
	IP-TV*	•	•		•	•	
	VoIP*	•	•		•	•	
	IP-TV Scan*	•	•		•	•	
	MDI-Analyses	•	•	•	•		
Parameters	ATM			•	•	•	
	PPP	•			•	•	
	LAN IP		• <sup>1</sup>		• <sup>1</sup>		
	WAN IP						
	DNS IP		• <sup>2</sup>				
	PPTP IP						
	NAT				•		
	Data log						
	DHCP Vendor ID						
Data Log		•	•	•	•	•	
Statistics	WAN ATM			•	•	•	•
	WAN ETH / IP			•	•	•	
	LAN ETH	•	•	•	•		
	PPP	•			•	•	

Note:

<sup>1</sup> static | DHCP client | DHCP server | auto

<sup>2</sup> only LAN IP mode = static

# ARGUS® 145

## Menu

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hotkeys:	a/b	BRI/U-Interface	ADSL/SHDSL	Ethernet
key 0		back to Argus State		
key 1		Help - Hotkeys		
key 2	-	Service test	VPI/VCI scan	-
key 3	-	Supp. Services test	IP ping	
key 4	-	Automatic tests	Traceroute	
key 5		Test data to PC	HTTP Download	
key 6	-	Test manager	-	
key 7		Numbers	FTP Download	
key 8		PC / Trace		
key 9	-	BERT start	IPTV	
key Π		Level measuring	Line-State	
telephony		Connecting	VoIP - Phone	
shortcut * 1:		SW options		
shortcut * 2:		Reset		

legend:	
xx [def] or [def: xx]	default settings
black, bold, italic	default setting
white, bold, italic	main menu items
white, bold	submenu layers
black, bold	2nd last submenu layer
black	last submenu layer
black	item
xxx*, xxx**	options (see manual)