

# DIN rail MoRoS ADSL PRO

Shape	Transmission technology						
	3G/HSPA	GSM/GPRS/EDGE	xDSL	Ethernet	WLAN	Analogue	ISDN
DIN-Rail serial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIN-Rail network	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Desktop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19" Rack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Embedded Module	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Remote access over internet

ADSL provides broadband internet access phone lines and enables data rates of up to 25 Mbps.

MoRoS ADSL PRO is designed for industrial use of a fast ADSL access. DIN rail mounting, direct voltage supply and temperature range are optimised for industrial applications in rough environments.

Network devices can communicate cost-effective directly via MoRoS ADSL PRO. General routing including private address management, firewall and VPN security are on board by default.

## Features

- Internet access with up to 25 Mbps
- Annex A/M/L, B or J/B
- Router with VPN and firewall
- 4 port switch
- Open for own applications (Linux sandbox)
- Connection to INSYS Connectivity Service possible

## Applications

- Remote desktop access
- Video monitoring
- Network connection
- Transfer of high data volume (operating data, archives)



## Technical data

### MoRoS ADSL PRO

<b>WAN interface</b>	
ADSL modem	ADSL (TR-067), ADSL2, ADSL2+ (G.992.1, G.992.2, T1.413, G992.3, G.992.5, TR-100)
Variants	Annex A/M/L, Annex B or Annex J/B*
ADSL protocol	PPPoE, PPPoA, Bridge (RFC 1483), IPoE (static or DHCP); LLC and VC-MUX encapsulation
Connector	RJ45
<b>Router</b>	
Function	DHCP server and client, full NAT (netmapping, port forwarding), DNS relay, dynDNS support, NTP client and server, buffered real-time clock
Security	VPN: OpenVPN (client and server), IPsec (ESP), PPTP (client and sever), Firewall
Redundancy	External serial modem, 2 <sup>nd</sup> OpenVPN servers
<b>Switch</b>	
Ports	4 x RJ45
Operating mode	10/100 Mbit/s full and half duplex mode
Function	Patch and cross over cables, automatic speed adjustment, MDI/MDI-X, port mirroring, VLAN configuration
<b>Serial interface</b>	
Serial ethernetgateway (incoming and outcoming connections, modem emulation)	
<b>Configuration</b>	
Web interface local and remote, binary file and text configuration, Auto update from central sever (configuration, firmware, Sandbox image)	
<b>I/Os</b>	
2 inputs to send SMS or e-mail, establish dial-out connection, VPN tunnel 2 isolated outputs switchable with the configuration surface, time-steered, displays PPP connection, diplays VPN connection	
<b>Programming</b>	
User access to embedded Linux system (Sandbox), 150 MB permanent file system, socket access, serial interface, demo images including Java und Python scripting, data base management, e-mail services, serial data logger further information please see: <a href="http://www.insys-icom.com/sandbox">www.insys-icom.com/sandbox</a>	
<b>LED</b>	
Power, connection, data, status/VPN, ADSL status, ADSL data, ADSL synchronisation	
<b>Additional features</b>	
Update firmware and configuration (local and remote), hardware watchdog, system message via e-mail, SNMP trap, SNMP v1/2c/3, Quick start for INSYS Connectivity Service	
<b>Physical features</b>	
Supply voltage	10 - 60 V DC
Power consumption	appr. 5 W
Size in mm	110 l x 100 w x 75 h
Operating temperature	-20 ... +55 °C
Humidity	0 ... 95% (not-condensating)

Product description	Features	Order number
MoRoS ADSL 2.1A PRO	ADSL Annex A/M/L	10014487
MoRoS ADSL 2.1B PRO	ADSL Annex B	10000216
MoRoS ADSL 2.1J PRO	ADSL Annex J/B*	10016203

\* Please use MoRoS ADSL 2.1B PRO in case of parallel operation with ISDN devices.

Establish VPN connections the easy and secure way.

With the INSYS Connectivity Service!

[www.insys-icom.com/connectivity](http://www.insys-icom.com/connectivity)



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