

## Industrial SHDSL and SHDSLbis Orion Modems

### What we Know about Orion Modems

**FlexDSL** Orion1, Orion2 and Orion3 Modems have always some more features than corresponding products from competitors. In this note we are concentrating on the fact, why the Orion series is often used in industrial and harsh environment:

- Components have industrial temperature range (-40°C to +85°C)
- Components never run on the limit because of better specification
- Best performance and low power, long life, high quality design
- Better isolated and protected interfaces than standards ask for
- Stable and high quality mechanics from Germany
- Power input range: 18-36VDC or 36-72VDC
- Extremely long availability from FlexDSL Telecommunications AG

### Industrial 19" and DIN-Rail Models in Metal Enclosure

The following pictures and tables shows the main versions that are available with **18-36VDC and/or 36-72VDC!**



<b>FG-PAM-RAIL2N-2E1B/Eth, V51</b>	2x SHDSL (TC-PAM16/32, 2x 5.7Mbps or 1x 11.4Mbps), Master/Slave 2x E1 (PRA) 120Ohm, 1x Ethernet (10/100BT, Bridge)
------------------------------------	--

<b>FG-PAM-RAIL2N-Eth, V53</b>	2x SHDSL (TC-PAM16/32, 2x 5.7Mbps or 1x 11.4Mbps), Master/Slave 1x Ethernet (10/100BT, Bridge)
-------------------------------	---

<b>FG-PAM-RAIL4N-Eth, V54</b>	4x SHDSL (TC-PAM16/32, 4x 5.7Mbps or bonding up to 22.8Mbps), Master/Slave 1x Ethernet (10/100BT, Bridge)
-------------------------------	--



<b>FG-PAM-SRL-E1B/4Eth-RP, V60</b>	1x SHDSL (TC-PAM16/32, 1x 5.7Mbps), Master/Slave 1x E1 (PRA) 120Ohm 4x Ethernet (10/100BT, Bridge)
------------------------------------	--

<b>FG-PAM-SRL-4Eth-RP, V61</b>	1x SHDSL (TC-PAM16/32, 1x 5.7Mbps), Master/Slave 4x Ethernet (10/100BT, Bridge)
<b>FG-PAM-SRL-2E1B/4Eth-RP, V62</b>	1x SHDSL (TC-PAM16/32, 1x 5.7Mbps), Master/Slave 2x E1 (PRA) 120Ohm 4x Ethernet (10/100BT, Bridge)
<b>FG-PAM-SR2L-2E1B/4Eth-RP, V63</b>	2x SHDSL (TC-PAM16/32, 2x 5.7Mbps or 1x 11.8Mbps), Master/Slave, 2x E1 (PRA) 120Ohm 4x Ethernet (10/100BT, Bridge)
<b>FG-PAM-SR2L-4Eth-RP, V64</b>	2x SHDSL (TC-PAM16/32, 2x 5.7Mbps or 1x 11.8Mbps), Master/Slave 4x Ethernet (10/100BT, Bridge)
<b>FG-PAM-SR2L-4E1B/4Eth-RP, V65</b>	FlexDSL sub rack module (LTU), 2x SHDSL (TC-PAM16/32, 2x 5.7Mbps or 1x 11.8Mbps), Master/Slave 4x E1 (PRA) 120Ohm 4x Ethernet (10/100BT, Bridge)
<b>FG-PAM-SR4L-4E1B/4Eth-RP, V66</b>	4x SHDSL (TC-PAM16/32, 4x 5.7Mbps or bonding up to 22.8Mbps), Master/Slave 4x E1 (PRA) 120Ohm 4x Ethernet (10/100BT, Bridge)
<b>FG-PAM-SR4L-4Eth, V68</b>	4x SHDSL (TC-PAM16/32, 4x 5.7Mbps or bonding up to 22.8Mbps), Master/Slave 4x Ethernet (10/100BT, Bridge)
<b>FG-PAM-SRL-E1B/N64/Eth/FXx, V39</b>	1x SHDSL (TC-PAM16, 2.3Mbps), Master/Slave, Multi-Service: 1x E1 (PRA) 120Ohm (75Ohm BNC possible) 1x Nx64 (V.35/V.36/X.21/V.24) 1x Ethernet (10/100BT Bridge) up to 2x 4 FXS/FXO.
<b>FG-PAM-SRL-E1B/N64/Eth/FXO-RP, V39RP</b>	FlexDSL sub rack module (LTU), 1x SHDSL (TC-PAM16, 2.3Mbps), Master/Slave, Multi-Service 1x E1 (PRA) 120Ohm (75Ohm BNC possible) 1x Nx64 (V.35/V.36/X.21/V.24) 1x Ethernet (10/100BT Bridge) up to 2x 4 FXO only
<b>FG-PAM-SR2L-E1B/N64/Eth/FXx-MP-RP, V42RP</b>	FlexDSL sub rack module (LTU), 2x SHDSL (TC-PAM16, 2x 2.3Mbps), Master/Slave, Multi-Point, Multi-Service 2x E1 (PRA) 120Ohm (75Ohm BNC possible) 1x Nx64 (V.35/V.36/X.21/V.24) 1x Ethernet (10/100BT Bridge) up to 2x 4 FXO

## Special Models are Possible at FlexDSL Telecommunications AG

Don't hesitate to ask about any special requirement. It can watertight, dustproof or anything else like special connectors.



